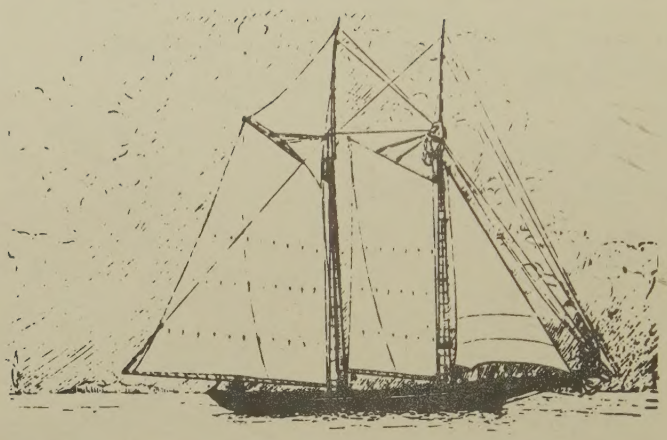
FISHERIES

OF THE

UNITED STATES

1963

UNITED STATES DEPARTMENT OF THE INTERIOR
Fish and Wildlife Service
Bureau of Commercial Fisheries



Created in 1849, the Department of the Interior--a department of conservation--is concerned with the management, conservation, and development of the Nation's water, fish, wildlife, mineral, forest, and park and recreational resources. It also has major responsibilities for Indian and Territorial affairs.

As the Nation's principal conservation agency, the Department works to assure that nonrenewable resources are developed and used wisely, that park and recreational resources are conserved for the future, and that renewable resources make their full contribution to the progress, prosperity, and security of the United States--now and in the future.

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FISHERIES OF THE UNITED STATES

1963

(A Preliminary Review)

by

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Chief, Branch of Statistics

Division of Resource Development

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QUICK REFERENCE GUIDE TO MAJOR SPECIES

Many persons using this publication are interested in information on individual species. To assist in locating data, there follows a list of the major species, the type of information concerning each included in the report, and the pages on which it appears.

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REVIEW, 1963

It was a difficult year for many segments of the fishing industry. The catch of both edible and nonedible items declined; the pack of canned fish dropped; stocks of frozen shellfish increased sharply; serious marketing problems arose as a result of the inadvertent sale of contaminated fish; and, for the first time, imports provided over half the U.S. supply of fishery products.

The catch of 4,750 million pounds was 11 percent less than the record 5,534 million pounds taken in 1962. Fishermen received $378 million for the catch --5 percent less than the record $396 million received in 1962.

Edible items taken in smaller volume than in 1962 included haddock; Pacific halibut and mackerel; Atlantic herring and ocean perch; chum, red, and silver salmon; Pacific sardines; yellowfin tuna; blue crabs; and whiting. The decline in the landings used for nonedible purposes was caused by a sharp drop in the catch of menhaden. Despite the overall drop in total catch, production of a number of items increased. These included yellowtail flounders, jack mackerel, albacore and skipjack tuna, surf clams, king crabs, and shrimp.

The catch used for human food totaled 2.49 billion pounds, while 2.26 billion pounds were taken for industrial uses (meal, oil, bait, animal food, etc.). Compared with 1962, the catch for human food declined 51 million pounds and the catch for industrial uses, 553 million pounds.

In 1963, for the first time, over half the U.S. supply of fish and shellfish (catch plus round weight of imports) was received from foreign countries. The estimated round weight of imported items totaled 6.5 billion pounds--58 percent of the total supply of 11.2 billion pounds caught and imported during the year.

Imports of edible fishery products in 1963 were about 3 percent less than the 2.1 billion pounds (round weight) received the previous year due to reduced receipts of frozen tuna and canned sardines and salmon. Imports of industrial fishery products increased spectacularly due to a gain of over 50 percent in receipts of fish meal.

The increased dependence of the United States on imported fishery products is clearly indicated by the trend in the domestic catch and imports since 1950. In that year, the domestic catch of items used for human food amounted to 3.3 billion pounds while in 1963, it totaled only 2.5 billion pounds. During the same period, imports rose from 1 billion pounds (round weight basis) to over 2 billion pounds. The domestic catch of items used for industrial purposes, as bait, or for animal food jumped from 1.6 billion pounds in 1950 to 2.3 billion pounds in 1963--a gain of 42 percent. However, during the same period, the estimated live weight of imported industrial fish went from 638 million pounds to 4.5 billion pounds--a gain of nearly 600 percent.

Foreign vessels continued to fish off the United States in greater numbers. During 1963, many foreign fishing craft and mother ships operated off New England, in the Bering Sea, and in the north Pacific off Alaska. Russian vessels were also reported off the Middle Atlantic States and in the Gulf of Mexico. Nearly 300 Soviet vessels operated off New England in 1963--well over one-third more than in the previous year. While more fish are being taken by foreign fishing craft on the high seas off the United States, our catch off the coasts of foreign countries is declining. In 1954, U.S. fishermen took 574 million pounds of fish on the high seas off Canada and Central and South American countries compared with only 429 million

pounds in 1963. The decline resulted from reduced catches of groundfish off Canada and tuna off Central and South America.

During 1963, a considerable migration of the Gulf and South Atlantic shrimp fleet to Central and South American countries occurred. Several of the larger U.S. shrimping firms set up companies in Latin American countries and moved a part or all of the fleet to those countries. The development pointed to the increasing trend for fishing fleets to become international in operation.

The possibilities of shrimp in this area were first made known by the Fish and Wildlife Service exploratory work in 1941-43. Subsequent work in recent years by the Exploratory and Gear Research Station at Pascagoula, Miss. corroborated the earlier findings. Production by vessels engaged in the fishery is now centered between Trinidad and the mouth of the Amazon River.

HIGHLIGHTS OF 1963

RECORDS ESTABLISHED

CATCH

- Flounders, yellowtail --- 83 million pounds . . . . . (previous high, 1942 -- 66.8 million pounds).
- Tuna, bluefin --- 40 million pounds . . . . . (previous high, 1962 -- 39.5 million pounds).
- Clams, surf --- 38 million pounds . . . . . (previous high, 1962 -- 31 million pounds).
- Crabs, blue, South Atlantic States --- 51.3 million pounds . . . . . (previous high, 1960 -- 44.8 million pounds).
- Crabs, king --- 77 million pounds . . . . . (previous high, 1962 -- 52.8 million pounds).
- Crabs, Dungeness, Alaska --- 11.8 million pounds . . . . . (previous high, 1962 -- 9 million pounds).
- Shrimp, Oregon --- 3 million pounds . . . . . (previous high, 1962 -- 2.8 million pounds).

MANUFACTURED PRODUCTS

- Canned crab meat --- 377,000 cases . . . . . (previous high, 1962 -- 288,000 cases).
- Canned clam chowder and juice --- 1,629,000 cases . . . . . (previous high, 1962 -- 1,501,000 cases.

MANUFACTURED PRODUCTS - Continued

- Fish sticks --- 79.3 million pounds . . . . . (previous high, 1962 -- 72.2 million pounds).
- Fish portions --- 94.6 million pounds . . . . . (previous high, 1962 -- 78.7 million pounds).

IMPORTS

- All fishery products --- 6.5 billion pounds (live-weight basis) . . . . . (previous high, 1962 -- 5 billion pounds).
- Groundfish and ocean perch fillets (including blocks and slabs) --- 232 million pounds . . . . . (previous high, 1962 -- 221 million pounds).
- Scallops, sea (meats) --- 13.3 million pounds . . . . . (previous high, 1962 -- 11.6 million pounds).
- Shrimp --- 151.5 million pounds . . . . . (previous high, 1962 -- 141.2 million pounds).
- Oysters --- 8.3 million pounds . . . . . (previous high, 1962 -- 7.8 million pounds).
- Fish meal and scrap --- 382,400 tons . . . . . (previous high, 1962 -- 252,300 tons).

SUPPLY (Domestic production plus imports)

- All fishery products --- 11.2 billion pounds (live-weight basis) . . . . . (previous high, 1962 -- 10.4 billion pounds).
- Industrial fishery products --- 6.7 billion pounds (live-weight basis) . . . . . (previous high, 1962 -- 5.8 billion pounds).
- Groundfish and ocean perch fillets (including blocks and slabs) --- 315.1 million pounds . . . . . (previous high, 1962 -- 315.0 million pounds).
- Shrimp --- 317.6 million pounds (heads-off) . . . . . (previous high, 1962 -- 271.7 million pounds).
- Fish meal and solubles --- 693,857 tons (dry weight for solubles) . . . . . (previous high, 1962 -- 630,903 tons).

OTHER IMPORTANT FACTS

- The menhaden catch of 1.8 billion pounds accounted for 37 percent of the total U. S. catch of all species.

REVIEW, 1963

- Shrimp was the most valuable item taken by domestic fishermen in 1963, accounting for 18.5 percent of the total paid for all species. The amount paid for shrimp ($70 million) was 43 percent more than for the second most valuable item, Pacific salmon.

- Louisiana led all States in volume of catch -- 754 million pounds -- followed by California -- 516 million -- Massachusetts -- 470 million -- and Alaska -- 378 million pounds.

- California led all States in value of catch -- $50 million--followed by Alaska -- $49 million -- and Massachusetts -- $41 million.

- For the 14th consecutive year, San Pedro led all other U. S. fishing ports in value of catch.

- Pollock landings totaled only 14.6 million pounds, the smallest since 1932.

- Landings of Atlantic swordfish, taken largely in the new longline fishery, amounted to 2.7 million pounds, 1.7 million pounds more than in 1962.

- The croaker catch in the Chesapeake States totaled only 124,000 pounds. In 1962, 1.3 million pounds were taken and in 1945, there was a record catch of 57.7 million pounds.

- Of the total 383,107 tons of fish meal imported in 1963, the Pacific Coast States received 125,911 tons; Gulf States, 123,865; Atlantic Coast States, 118,392; and interior States, 14,939 tons.

- Nearly 60 percent of the U. S. fishing vessels (craft of 5 net tons and over) are below 45 feet in length. Fewer than 25 vessels measure over 150 feet.

MAJOR SPECIES

- Groundfish . . . . . The Atlantic fishery for groundfish (cod, cusk, haddock, ocean perch, pollock, and white hake) continued in a depressed state in 1963. The combined catch of these species (297 million pounds) was 32 million pounds (10 percent) less than in 1962. The principal declines were in ocean perch, down 16.7 million pounds; haddock, 10.4 million pounds; and cod, 4.9 million pounds. In Gloucester, ocean perch landings (43 million pounds) were the lowest since 1938. The haddock decline was caused by the reduced availability of the small or scrod size fish.

- Halibut, Pacific . . . . . United States and Canadian fishermen landed 71.2 million pounds (dressed weight) of halibut in 1963--nearly 4 million pounds less than the record 75.1 million pounds taken the previous year. The catch by U. S. fishermen (34.2 million pounds) was 6 million pounds less than in 1962, while the Canadian catch (37 million pounds) was 2 million pounds greater. Reduced landings at Ketchikan and Petersburg accounted for most of the decline in U. S. landings. The Canadian

catch exceeded the United States production for the first time in the history of the fishery. Prices paid fishermen for halibut declined sharply in 1963; the weighted Seattle ex-vessel price for all halibut was 23.3 cents per pound compared with 32.5 cents in 1962. For the first time, Japanese fishermen engaged in the eastern Bering Sea halibut fishery, taking 3.7 million pounds of fish.

- Herring, sea, Maine . . . . . The catch of Maine herring (used principally for canning and as lobster bait) amounted to 152 million pounds--4 million pounds less than in the previous year. The fish were plentiful throughout the season; however, stocks of canned sardines (herring) became heavy, and canning was discontinued after the pack reached 1,637,000 cases--510,000 cases less than in the previous year. The catch would have been far less had there not been a large increase in the poundage used for bait.

- Herring, sea, Alaska . . . . . The Alaska catch of herring (which is used entirely in the manufacture of fish meal and oil or as bait) amounted to 31 million pounds--8 percent less than in the previous year. The catch was the smallest since 1917.

- Mackerel, jack and Pacific . . . . . The combined landings of jack and Pacific mackerel totaled 136 million pounds--only 2 percent below the near-record 1962 catch of 138.6 million pounds. Because of a limited market for canned mackerel, the 1963 catch was curtailed by the canneries imposing nightly quotas on the vessels. These limits were as low as 20 tons per vessel or about one-fifth the capacity of the average mackerel seiner. The catch of jack mackerel was 5.4 million pounds more than in the previous year, while that of Pacific mackerel declined over 8 million pounds.

- Menhaden . . . . . The catch of menhaden in 1963 was 1,780 million pounds--568 million pounds (24 percent) less than in the previous year. Despite the decline, the catch was 456 percent more than second place tuna and 538 percent more than third place salmon. The principal decline--479 million pounds--occurred in the Atlantic Coast States, where the season started at a slow pace and failed to improve, except in North Carolina, where the catch of 190 million pounds was 67 million pounds more than in the previous year. The North Carolina increase resulted from a productive fishery in November and December. In 1962, strong winds had prevented North Carolina seiners from operating during the latter part of November and nearly all of December. Of the Atlantic Coast States, Delaware and New Jersey, with declines of 166 million pounds and 202 million pounds, respectively, were hardest hit. Landings on the Gulf Coast started out strong, and at the end of May were nearly 50 percent greater than in the previous year. The trend was then reversed, and catches declined rapidly so that at year's end they were 89 million pounds (8 percent less than in 1962). Despite the lower landings in 1963, the catch in the Gulf area was the third highest and was considerably above the average for the previous 5 years.

- Salmon . . . . . About 279 million pounds of salmon were taken by U. S. fishermen in 1963--11 percent less than in the previous year, and 3 percent below the 1953-62 average. In Alaska, the catch was down 70 million pounds due to sharp declines in the runs of red, chum, and pink salmon.

Production of pink salmon was off sharply in central Alaska but was up in the southeastern part of the State. Chum catches were off in all districts, while red runs were off in both Western and Central Alaska. In Washington, the catch of over 55 million pounds exceeded that of 1962 by 32 million pounds, due principally to the large pink run which yielded a catch of 31 million pounds--27 million pounds more than in the parent year (1961).

- Sardines, Pacific . . . . . Sardines again failed to appear in volume off southern California, and only 7 million pounds were taken during the year. Less than half the catch was taken during the fall season, the period in which the catch frequently exceeded more than 1 billion pounds during the years from 1934-44. The 1963 catch was less than one-half of 1 percent of the record 1.5 billion pounds taken in 1936.

- Tuna . . . . . The U. S. catch of tuna landed in continental United States and Hawaii amounted to 320 million pounds--2 percent more than in the previous year. Albacore receipts of 61 million pounds were 15 million pounds greater than in 1962. Bluefin showed little change, but the 40 million pounds taken were a record for this species. Skipjack receipts of 108.7 million pounds were 6.5 million pounds more than in the previous year. The California catch of yellowfin totaled only 110 million pounds--14 million pounds less than in 1962 and except for 1959 the lowest since 1945. Despite a lengthy tieup of high seas tuna vessels during June and part of July and poor fishing off Latin America, combined with fewer vessels on the grounds, the California tuna catch was slightly higher than in the previous year. The Oregon catch of albacore (11.4 million pounds) was the best since 1945 and the third largest catch landed in the State. Landings on the Atlantic Coast were up sharply, amounting to about 13 million pounds, or 4 percent of the total catch. The Atlantic Coast catch in 1962 was only 7.2 million pounds. In addition, U. S. fishermen delivered over 39 million pounds of domestically caught tuna to Puerto Rican canners. Of this amount, over 6 million pounds were taken in the Northwest Atlantic, while the remainder came from the eastern Pacific. Most of the Pacific landings in Puerto Rico were skipjack.

- Crabs, blue . . . . . The Atlantic and Gulf catch of blue crabs amounted to 142.5 million pounds, nearly 13 million pounds less than in 1962. Production in Maryland and Virginia, the principal producing States, was down nearly 21 million pounds while the Gulf catch declined nearly 3 million pounds. Landings in the South Atlantic States totaled a record 52 million pounds, about 12 million pounds more than in the previous year. The gain in the South Atlantic States was largely due to the strong demand for crabs caused by reduced production in the Chesapeake and Gulf States and by an increase in fishing effort because of the failure of the shrimp fishery in the area.

- Crabs, Dungeness . . . . . The catch of crabs in the Pacific Coast States continued at a low level. Landings in the four States amounted to 24.5 million pounds, 1 million pounds more than in 1962 but 14 million pounds below the 1956-60 average. California landings of 1.9 million pounds were only 10 percent of the record 1957 catch. The Alaska catch totaled a record 11.8 million pounds--nearly 3 million pounds more than in the previous year.

REVIEW, 1963

- Crabs, king . . . . . Alaska fishermen took a record 77 million pounds of king crabs in 1963--24 million pounds more than in the previous year. Production of these shellfish has increased spectacularly in recent years. It first exceeded 1 million pounds in 1948. In 1957, the 13-million mark was passed. The catch reached 28.6 million pounds in 1960, 43 million in 1961, and 52.8 million pounds in 1962.

- Oysters . . . . . Again in 1963 the catch of oysters dropped to a new low with only 55.6 million pounds taken, slightly less than in 1962. Both major producing areas (the Chesapeake and Gulf States) established new records for the harvesting of oysters--a new low for the Chesapeake and a new high for the Gulf. The Chesapeake catch of 18 million pounds was only a little over one-half the average for the past 25 years. However, the Gulf catch of nearly 23 million pounds was 63 percent greater than the 1950-62 average.

- Shrimp . . . . . The total U. S. catch of shrimp in 1963 amounted to 240 million pounds, compared with 191 million pounds the previous year. The catch of 219 million pounds (heads-on weight) in the South Atlantic and Gulf States was 26 percent greater than in 1962. Shrimp landings at Gulf ports were about 62 million pounds more than in 1962; however, South Atlantic receipts were the smallest in many years. Compared with the previous 2 years, 1963 Gulf landings showed a substantial increase in the catch of white and brown species, and a smaller increase in pink. The catch of shrimp in Alaska amounted to over 14 million pounds--about 2.5 million pounds less than in the previous year. The domestic catch of shrimp (240 million pounds) and imports (about 266 million pounds, heads-on weight) provided a record supply of 507 million pounds--75 million pounds more than in 1962. The greater supply of shrimp in 1963 resulted in a decline of about 25 percent in the average price paid fishermen.

MANUFACTURED FISHERY PRODUCTS

- Canned fishery products . . . . . The 1963 pack of canned fishery products by 377 plants in the United States, American Samoa, and Puerto Rico amounted to 34.5 million standard cases (1.0 billion pounds) valued at $420.8 million to the packers. Compared with 1962, the pack was down 2.4 million cases (100.7 million pounds) and $36.0 million. The decreases resulted mainly from a sharp decline in the canning of fish for animal food and smaller packs of Alaska salmon, California tuna, and Maine and Pacific sardines.

  The pack for human consumption (725.5 million pounds) was 31.3 million pounds less than in 1962. The production of bait and animal food (307.0 million pounds) was 69.4 million pounds less than in 1962. The value of three items--salmon, tuna, and animal food--accounted for 78 percent of the total amount received by producers of canned fishery products in 1963. Animal food containing less than 10 pounds of fish per standard case of 48 pounds (4,143,405 standard cases valued at $16,732,929) has been excluded from this report.

- Industrial fishery products . . . . . The production of industrial fishery products by 151 plants in the United States, American Samoa, and Puerto Rico in 1963 was valued at $68 million. Compared with 1962, this was a decrease of 7.7 million.

  Marine animal scrap and meal:--The 1963 production of 253,452 tons was 19 percent less than the 312,300 tons manufactured in 1962 and the smallest production since 1958. Menhaden scrap and meal (182,000 tons) was nearly 58,000 tons less than in 1962. However, a record 383,107 tons of meal and scrap were imported, and the total supply (domestic production plus imports) of 636,559 was the largest in history.

  Marine animal oil:--Domestic production of marine animal oil fell from 250 million pounds in 1962 to 186 million pounds in 1963. Despite the decline in the catch of menhaden, the yield of oil from these fish (168 million pounds) accounted for 90 percent of the total 1963 oil production. The United States exported a record 262 million pounds of fish oils in 1963. The market for fish oils showed marked improvement in 1963 and domestic stocks of these oils were greatly reduced.

  Solubles and homogenized condensed fish:--The 1963 production of solubles and homogenized condensed fish amounted to 107,000 tons--14 percent less than in the previous year, and far below the record 165,000 tons manufactured in 1959.

  Other industrial products:--Products from oyster shells and buttons from fresh-water and marine mollusk shells were valued at $7.0 million in 1963. Compared with the previous year, this was a decrease of $1.6 million.

  Other industrial products manufactured in 1963 included agar-agar, fish feed pellets and animal feeds, glue, Irish moss extract, kelp products, liquid fertilizer, pearl essence, and crab shells valued at $13.7 million. In the previous year, these products were valued at $13.9 million.

- Packaged Fish . . . . . Production of fresh and frozen packaged fish fillets and steaks totaled 163.4 million pounds valued at $56.6 million to the processors. Compared with 1962, this was a decrease of 6.5 million pounds and $1.7 million. The domestic production of groundfish fillets amounted to only 83.3 million pounds, the smallest in many years. The 1963 production was 10.2 million pounds less than in 1962 and 65.5 million pounds below the record 148.8 million pounds produced in 1951. However, there were record imports (231.7 million pounds) received in 1963 and the total apparent supply for U.S. consumption reached a record high of 315.1 million pounds.

- Fish sticks and portions . . . . . Production of both fish sticks (79 million pounds) and fish portions (95 million pounds) established new records in 1963. Production of fish sticks was 7 million pounds more than in the the previous year and portions, 16 million pounds.

CATCH OF CERTAIN SPECIES, 1962-63

Species	1962		1963 1/		Record production	
Fish	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Year	Thousand pounds
Anchovies, California	2,764	50	4,600	60	1953	85,836
Bluefish	5,923	646	3,500	400	2/1897	22,673
Bonito	2,304	85	4,000	100	1947	13,918
Cod, Atlantic	46,910	3,294	42,000	3,100	1880	294,351
Croaker, Atlantic	3,274	474	2,600	200	1945	64,668
Cusk	1,858	101	1,900	100	1937	10,263
Flounders, Atlantic and Gulf:						
Blackback	17,490	1,756	17,700	1,700	1950	23,571
Fluke	13,587	2,960	10,900	2,800	1956	3/21,300
Yellowtail	60,590	4,491	82,600	5,300	1963	82,600
Other	12,787	1,689	14,000	2,100	-	-
Total	104,454	10,896	125,200	11,900	1963	125,200
Haddock	134,250	10,913	123,900	11,700	1929	293,809
Hake, white	5,728	225	6,200	300	1898	39,900
Halibut, Pacific	53,757	11,579	45,500	7,300	1915	66,696
Herring, sea:						
Alaska	33,876	379	31,000	300	1937	261,400
Maine	156,699	2,375	152,300	1,600	1950	185,481
Mackerel: (California)						
Jack	89,979	1,869	95,400	2,000	1952	146,522
Pacific	48,579	1,027	40,200	800	1935	146,727
Menhaden	2,347,944	25,866	1,779,500	21,900	1962	2,347,944
Mullet	43,165	2,551	41,900	2,300	1902	43,385
Ocean perch, Atlantic	123,983	5,223	108,300	5,100	1951	258,320
Pollock	16,333	685	14,600	700	1938	40,694
Salmon, Pacific:						
Chinook or king	25,111	10,959	26,500	11,000	1925	72,670
Chum or keta	60,345	5,308	36,200	3,400	1936	121,664
Pink	143,309	20,302	151,500	19,400	1936	351,382
Red or sockeye	58,049	12,828	42,000	9,900	1938	245,094
Silver or coho	27,752	6,956	22,900	5,300	1951	52,064
Total	314,566	56,353	279,100	49,000	1936	790,884
Sardine, Pacific	15,363	490	7,100	200	1936	1,502,299
Scup or porgy	46,306	3,048	42,200	3,100	1960	49,229
Sea trout, gray	4,732	407	3,400	300	1945	41,420
Snapper, red	12,530	3,162	13,300	3,600	1902	23,457
Striped bass	8,664	1,345	9,200	1,300	1961	9,495
Swordfish, Atlantic	998	439	2,700	700	1929	7,086
Tuna: 4/						
Albacore	45,955	7,606	60,700	10,300	1950	72,514
Bluefin 5/	39,496	5,503	40,000	4,400	1963	40,000
Little	30	2	40	7	-	-
Skipjack	102,221	13,102	108,700	12,000	1954	167,777
Yellowfin	124,455	18,899	110,400	14,900	1948	207,420
Total tuna	312,157	45,112	319,840	41,607	1950	391,454
Whiting	105,088	2,340	92,800	2,200	1957	133,041
Shellfish						
Clams:						
Soft, Atlantic	9,396	2,813	9,300	2,800	1940	16,600
Surf	30,854	2,010	38,100	2,600	1963	38,100
Crabs:						
Blue	155,218	8,993	142,500	9,000	1962	155,218
Dungeness	23,364	4,061	24,500	6,700	1948	45,823
King	52,782	5,278	77,000	7,700	1963	77,000
Lobsters:						
Northern	29,497	14,953	30,400	16,500	1960	31,168
Spiny	3,664	1,561	4,200	1,800	1957	4,687
Oysters (meats)	56,037	29,139	55,600	25,800	6/1908	152,046
Scallops, sea (meats)	24,634	10,024	20,500	9,600	1961	27,461

(Continued on next page)

U. S. CATCH

CATCH OF CERTAIN SPECIES, 1962-63 - Continued

Species	1962		1963 1/		Record production	
Shellfish - Continued	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Year	Thousand pounds
Shrimp: (heads-on)						
South Atlantic and Gulf States	167,804	71,832	219,200	68,800	1954	265,799
Alaska	16,943	732	14,400	600	1962	16,943
Washington	1,399	136	1,000	98	1958	6,730
Oregon	2,777	273	3,000	300	1963	3,000
California	1,787	198	2,100	230	1899	6,495
Other	396	65	600	72	-	-
Total shrimp	191,106	73,236	240,300	70,100	1954	268,316
Squid, California	9,368	168	11,500	200	1946	38,024
Other fish, shellfish, etc.	726,081	53,258	704,005	53,528	-	-
Grand total	5,354,185	396,428	4,750,145	378,195	1962	5,354,185

1/ Preliminary. 2/ Includes data on New England catch in 1898. 3/ Chesapeake catch estimated. 4/ Does not include landings of tuna by U. S. vessels in Puerto Rico. 5/ Includes data on the catch of bigeye tuna in Hawaii. 6/ First year in which an oyster survey was made in all regions.

Note:--The cooperation of the various States in supplying operating unit and catch statistics used in this report is gratefully acknowledged. Data on the production of canned fishery products and fish meal and oil in tables on pages 20 and 21 were supplied by the Alaska Department of Fish and Game.

CATCH OF FISH AND SHELLFISH, 1945-63

Year	Catch for human food	Catch for industrial products 1/	Total		Average price per pound
	Million pounds	Million pounds	Million pounds	Million dollars	Cents
1945	3,167	1,431	4,598	270	5.87
1946	3,049	1,418	4,467	313	7.01
1947	3,020	1,329	4,349	312	7.16
1948	3,146	1,367	4,513	371	8.22
1949	3,305	1,499	4,804	343	7.13
1950	*3,307	1,594	4,901	347	7.09
1951	3,048	1,385	4,433	365	*8.23
1952	2,778	1,654	4,432	364	8.20
1953	2,519	1,968	4,487	356	7.94
1954	2,705	2,057	4,762	359	7.55
1955	2,579	2,230	4,809	339	7.05
1956	2,690	2,578	5,268	372	7.06
1957	2,475	2,314	4,789	354	7.39
1958	2,651	2,096	4,747	373	7.86
1959	2,369	2,753	5,122	346	6.76
1960	2,498	2,444	4,942	354	7.15
1961	2,490	2,697	5,187	362	6.98
1962	2,540	*2,814	*5,354	*396	7.40
1963 2/	2,489	2,261	4,750	378	7.96

1/ Manufactured into meal, oil, fish solubles, homogenized condensed fish, shell products, and used as bait and animal food.
2/ Preliminary.
* Record.

Note:--Does not include data on the Hawaiian catch prior to 1946.

U. S. CATCH

CATCH BY STATES, 1962-63

State	1962		1963 1/		Record catch	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Year	Thousand pounds
Alabama	16,949	3,335	2/22,700	2/4,542	1955	29,307
Alaska	429,218	57,242	378,000	48,918	1936	932,341
Arkansas	5,277	613	(3)	(3)	-	(4)
California	518,020	54,969	515,529	50,043	1936	1,760,183
Connecticut	6,016	1,216	(3)	(3)	1930	88,012
Delaware	271,686	3,184	105,739	1,457	1953	367,500
Florida	197,823	32,355	194,614	30,096	1938	241,443
Georgia	22,136	4,553	20,988	2,612	1927	47,607
Hawaii	13,157	2,820	11,800	2,682	1954	20,610
Illinois	6,653	613	(3)	(3)	-	(4)
Indiana	634	30	(3)	(3)	-	(4)
Iowa	2,326	176	(3)	(3)	-	(4)
Kansas	52	8	(3)	(3)	-	(4)
Kentucky	2,555	294	(3)	(3)	-	(4)
Louisiana	776,621	30,333	753,560	34,735	1962	776,621
Maine	294,323	20,365	285,636	21,202	1950	356,266
Maryland	67,574	11,926	54,729	10,375	1890	141,607
Massachusetts	493,414	40,265	469,616	41,098	1948	649,696
Michigan	22,121	2,479	19,933	2,189	1930	35,580
Minnesota	14,065	777	(3)	(3)	-	(4)
Mississippi	373,522	8,378	344,877	9,018	1961	391,689
Missouri	287	35	(3)	(3)	-	(4)
Montana	86	9	(3)	(3)	-	(4)
Nebraska	308	35	(3)	(3)	-	(4)
New Hampshire	1,089	401	(3)	(3)	-	(4)
New Jersey	446,929	11,824	253,391	9,857	1956	540,060
New York	226,439	10,309	158,576	9,564	1880	2/335,000
North Carolina	182,384	6,755	255,748	6,824	1959	342,612
North Dakota	343	27	(3)	(3)	-	(4)
Ohio	15,225	1,139	14,223	1,080	1936	31,083
Oklahoma	426	57	(3)	(3)	-	(4)
Oregon	61,005	7,833	60,327	7,639	1941	91,725
Pennsylvania	2,150	150	(3)	(3)	-	(4)
Rhode Island	76,839	3,528	68,787	4,064	1889	128,056
South Carolina	22,680	4,720	22,010	3,236	1957	24,402
South Dakota	2,716	116	(3)	(3)	-	(4)
Tennessee	7,575	797	(3)	(3)	-	(4)
Texas	172,516	30,231	2/164,753	2/29,211	1960	237,684
Virginia	453,901	21,701	348,250	19,023	1959	526,306
Washington	117,504	18,939	148,787	21,632	1941	197,253
Wisconsin	29,467	1,886	(3)	(3)	-	(4)
Wyoming	174	5	(3)	(3)	-	(4)
---	-	-	5/ 77,572	5/ 7,098	-	-
Total	5,354,185	396,428	4,750,145	378,195	-	-

1/ Preliminary.
2/ Catch in interior waters estimated.
3/ Data not available.
4/ Not determined.
5/ Estimated catch for States in which surveys were not conducted.

U. S. CATCH

LANDINGS AT CERTAIN U.S. PORTS, 1963 1/

Port	Thousand pounds	Thousand dollars	Important species
San Pedro, Calif.	374,000	32,000	Tuna, mackerel
Pascagoula, Miss.	300,000	5,200	Menhaden and other industrial fi
Empire, La.	253,000	5,500	Menhaden, shrimp
Cameron, La.	238,000	4,800	Menhaden, shrimp
Reedville, Va.	214,000	(2)	Menhaden
Beaufort-Morehead City, N. C.	183,000	(2)	Menhaden, shrimp
Gloucester, Mass.	138,000	6,600	Ocean perch, whiting, industrial fish
New Bedford, Mass.	135,000	16,900	Flounders, scallops, haddock
Morgan City, La.	119,000	5,100	Menhaden, shrimp
Boston, Mass.	107,000	10,800	Haddock, cod, pollock
Lewes, Del.	103,000	(2)	Menhaden
Port Arthur, Tex.	89,000	2,500	Menhaden, shrimp
Houma, La.	78,000	5,200	Shrimp
San Diego, Calif.	59,000	7,200	Tuna
Brownsville-Port Isabel, Tex.	24,000	10,100	Shrimp

1/ Preliminary. 2/ Data not available.

Note:--The largest landings made at a U. S. port occurred in 1950 when 848 million pounds of fis and shellfish were landed in the San Pedro area. This catch was valued at $38 million which was likewise the greatest value received by fishermen for a catch landed at a U. S. port in a single year.

DISPOSITION OF CATCH, 1962-63

End use	1962		1963 1/	
	Million pounds	Percent	Million pounds	Percent
Fresh and frozen:				
For human food	1,486	27.8	1,499	31.5
For bait and animal food	135	2.5	151	3.2
Total	1,621	30.3	1,650	34.7
Canned:				
For human food	974	18.2	915	19.3
For bait and animal food	132	2.4	111	2.3
Total	1,106	20.6	1,026	21.6
Cured	80	1.5	75	1.6
Reduced to meal, oil, etc.	2,547	47.6	1,999	42.1
Grand total	5,354	100.0	4,750	100.0

1/ Preliminary.

DOMESTIC CATCH FROM WATERS OFF THE UNITED STATES
AND ON THE HIGH SEAS OFF FOREIGN COASTS, 1963

Area and species	Waters off U. S. Coasts	High seas off foreign coasts	Total
	Million pounds	Million pounds	Million pounds
Atlantic and Gulf States:			
New England:			
Cod	36.6	3.0	39.6
Cusk	1.6	.3	1.9
Flounders	105.9	.8	106.7
Haddock	107.8	16.1	123.9
Hake, white	5.6	.5	6.1
Halibut	.2	.1	.3
Ocean perch	19.6	88.7	108.3
Pollock	10.3	4.3	14.6
Whiting	86.7	(1)	86.7
Wolffish	.5	.3	.8
Scallops, sea	18.4	(1)	18.4
Unclassified	322.3	.1	322.4
Total	715.5	114.2	829.7
Middle Atlantic, unclassified, total	517.1	-	517.1
Chesapeake:			
Tuna	.9	2.2	3.1
Unclassified	399.9	-	399.9
Total	400.8	2.2	403.0
South Atlantic, unclassified, total	370.4	-	370.4
Gulf:			
Groupers	5.2	1.2	6.4
Snapper, red	6.7	5.9	12.6
Shrimp	180.4	23.2	203.6
Unclassified	1,164.4	-	1,164.4
Total	1,356.7	30.3	1,387.0
Total Atlantic and Gulf States	3,360.5	146.7	3,507.2
Pacific Coast States:			
Alaska, Washington, and Oregon:			
Bottomfish (Washington and Oregon) 2/	39.7	40.4	80.1
Halibut	43.0	2.5	45.5
Salmon	267.4	3.8	271.2
Unclassified	190.2	.1	190.3
Total	540.3	46.8	587.1
California:			
Barracuda	.4	(1)	.4
Bonito	4.0	(1)	4.0
Cabrilla	-	(1)	(1)
Flounders	20.6	.3	20.9
Groupers	-	.2	.2
Rockfishes	11.1	.2	11.3
Sea bass:			
Black	-	.3	.3
White	.4	.5	.9
Sharks, unclassified	.5	.1	.6
Tuna	51.3	234.0	285.3
Yellowtail	.1	(1)	.1
Unclassified	191.3	.2	191.5
Total	279.7	235.8	515.5
Total Pacific States	820.0	282.6	1,102.6
Great Lakes and Mississippi River States, unclassified, total	128.8	-	128.8
Hawaii, unclassified, total	11.5	-	11.5
Grand total	4,320.8	429.3	4,750.1

1/ Less than 50,000 pounds.
2/ Principally cod, flounders (including sole), lingcod, ocean perch, rockfishes, and sablefish.

U. S. CATCH

CATCH BY REGIONS

The fisheries of the Gulf States have shown remarkable growth during the past quarter century, increasing from 6 percent of the total domestic catch in 1940 to 29 percent in 1963. During the same period, the California catch fell from 32 to 11 percent, and the Alaska catch from 14 to 8 percent. The trend in the New England and Middle Atlantic States was upward, while other areas showed little change. The increase in the Gulf was due largely to the growth of the menhaden fishery, while the decrease of the sardine fishery in California, and salmon and herring fisheries in Alaska were responsible for the declines in these States.

VOLUME BY REGIONS, VARIOUS YEARS, 1940-63

(Million pounds)

Region	1940	1950	1960	1962	1/1963
New England and Middle Atlantic:					
Quantity	982	1,498	1,636	1,816	1,347
Percent	24	31	33	34	28
Chesapeake:					
Quantity	321	381	435	522	403
Percent	8	8	9	9	9
South Atlantic:					
Quantity	325	261	379	305	370
Percent	8	5	8	6	8
Gulf:					
Quantity	250	571	1,266	1,437	1,387
Percent	6	12	26	27	29
Alaska:					
Quantity	564	482	358	429	378
Percent	14	10	7	8	8
Washington and Oregon:					
Quantity	166	177	162	179	209
Percent	4	4	3	3	4
California:					
Quantity	1,290	1,338	541	518	515
Percent	32	27	11	10	11
Great Lakes and Mississippi River:					
Quantity	162	177	154	135	129
Percent	4	3	3	3	3
Hawaii:					
Quantity	(2)	16	11	13	12
Percent	-	-	-	-	-
Total	4,060	4,901	4,942	5,354	4,750

1/ Preliminary. 2/ Data not available.

VALUE BY REGIONS

The percentage value of the U. S. catch taken in most regions during the past quarter century has shown remarkably little change, although the total value has increased about 300 percent. In the Gulf States, however, increases in the menhaden and shrimp fisheries were largely responsible for an increase from 11 percent of the total amount paid U. S. fishermen in 1940 to 26 percent in 1963; while in California, due to disappearance of sardines, there was a decline from 20 to 13 percent. The greatest percentage decrease occurred in the Central States where a downward trend in the lake trout and whitefish fisheries in the Great Lakes was largely responsible for a drop from 9 to 3 percent.

VALUE BY REGIONS, VARIOUS YEARS, 1940-63

(Million dollars)

Region	1940	1950	1960	1962	1/1963
New England and Middle Atlantic:					
Value	28.1	89.4	83.2	91.0	88.8
Percent	28	26	23	23	23
Chesapeake:					
Value	7.5	25.0	34.9	33.6	29.4
Percent	8	7	10	8	8
South Atlantic:					
Value	4.1	18.9	20.2	23.5	19.4
Percent	4	5	6	6	5
Gulf:					
Value	10.6	50.4	85.5	94.5	98.2
Percent	11	15	24	24	26
Alaska:					
Value	2/10.6	2/31.4	40.9	57.2	48.9
Percent	11	9	12	14	13
Washington and Oregon:					
Value	9.4	26.2	21.6	26.8	29.3
Percent	9	8	6	7	8
California:					
Value	20.2	81.6	49.6	55.0	50.0
Percent	20	23	14	14	13
Great Lakes and Mississippi River:					
Value	8.5	21.0	15.0	12.0	11.6
Percent	9	6	4	3	3
Hawaii:					
Value	(3)	3.5	2.7	2.8	2.6
Percent	-	1	1	1	1
Total	99.0	347.4	353.6	396.4	378.2

1/ Preliminary data. 2/ The value of the Alaska catch for this year does not include types of compensation (food, use of boats, gear, etc.) which were added to the value of the catch for the years following. 3/ Not available.

RELATIVE VOLUME OF THE CATCH, BY SPECIES, 1962

SPECIES	QUANTITY	PERCENT OF TOTAL	RECORD CATCH	
	THOUSAND POUNDS	PERCENT	YEAR	THOUSAND POUNDS
MENHADEN	2,347,944	43.9	1962	2,347,944
SALMON	314,566	5.9	1936	790,884
TUNA	312,157	5.8	1950	391,454
CRABS	234,340	4.4	1962	234,340
INDUSTRIAL FISH 1/	216,856	4.0	1959	247,980
HERRING, SEA:				
ATLANTIC	158,536	2.9	1902	200,598
PACIFIC	41,570	.8	1937	263,200
TOTAL HERRING	200,106	3.7	-	-
SHRIMP	191,106	3.6	1954	268,334
FLOUNDERS	155,329	2.9	1962	155,329
HADDOCK	134,250	2.5	1929	293,809
OCEAN PERCH, ATLANTIC	123,983	2.3	1951	258,320
WHITING	105,088	2.0	1957	133,041
JACK MACKEREL	90,363	1.7	1952	146,522
ALEWIVES	57,888	1.1	1908	89,978
OYSTERS	56,037	1.0	2/1908	152,046
CLAMS	54,169	1.0	1962	54,169
HALIBUT, PACIFIC	53,757	1.0	1915	66,696
COD:				
ATLANTIC	46,910	.8	1880	294,351
PACIFIC	3,185	.1	1915	32,681
TOTAL COD	50,095	.9	-	-
MACKEREL, PACIFIC	48,579	.9	1935	146,727
SCUP OR PORGY	46,306	.9	1960	49,229
MULLET	43,165	.8	1902	43,385
CATFISH AND BULLHEADS	37,619	.7	1961	38,468
CARP	30,293	.6	1908	42,659
LOBSTERS, NORTHERN	29,497	.6	1960	31,168
ROCKFISHES	27,980	.5	1945	57,686
SCALLOPS, SEA	24,634	.4	1961	27,461
BUFFALOFISH	18,508	.3	1950	25,873
OCEAN PERCH, PACIFIC	17,327	.3	1962	17,327
POLLOCK	16,333	.3	1938	40,694
SARDINE, PACIFIC	15,363	.3	1936	1,502,299
CHUBS	14,428	.3	1960	16,854
SQUID	14,212	.3	1946	40,266
SNAPPER, RED	12,530	.2	1902	23,457
YELLOW PERCH	12,467	.2	1934	16,282
BUTTERFISH	11,744	.2	1939	17,151
MUSSEL SHELLS	10,981	.2	1908	81,869
HERRING, LAKE	10,057	.2	1899	59,914
WHALE PRODUCTS 3/	9,756	.2	(4)	(4)
SEA BASS, BLACK (ATLANTIC)	9,436	.2	1952	21,997
SPANISH MACKEREL	9,601	.2	1945	11,593
SABLEFISH	8,859	.2	1945	17,750
SHAD	8,859	.2	1890	43,000
STRIPED BASS	8,664	.2	1961	9,495
GROUPERS	8,176	.1	1945	8,882
SPOT	7,756	.1	1952	15,863
SHEEPSHEAD, FRESH-WATER	7,321	.1	1959	13,644
HAKE, RED	6,726	.1	(4)	(4)
LINGCOD	6,284	.1	1944	14,262
BLUEFISH	5,923	.1	5/1897	22,673
HAKE, WHITE	5,728	.1	1898	39,900
IRISH MOSS	5,513	.1	1961	6,995
SEA TROUT OR WEAKFISH, SPOTTED	5,092	.1	1936	8,800
SMELT	4,953	.1	1958	13,303
SEA TROUT OR WEAKFISH, GRAY	4,732	.1	1945	41,420
KING WHITING OR "KINGFISH"	4,333	.1	1952	5,270
KING MACKEREL	4,158	.1	1927	4,619
CROAKER	3,274	.1	1945	64,668
UNCLASSIFIED	78,984	1.5	-	-
GRAND TOTAL	5,354,185	100.0	1962	5,354,185

1/ UNCLASSIFIED SPECIES FOR BAIT, REDUCTION, AND ANIMAL FOOD. 2/ FIRST YEAR IN WHICH AN OYSTER SURVEY WAS MADE IN ALL REGIONS. 3/ SINCE DATA ARE NOT AVAILABLE ON THE POUNDAGE OF WHALES TAKEN, STATISTICS ON THE YIELD OF THESE MAMMALS REPRESENT THE WEIGHT OF THE WHALE PRODUCTS WHICH INCLUDES MEAL, MEAT, AND OIL. 4/ DATA NOT AVAILABLE. 5/ INCLUDES DATA ON NEW ENGLAND CATCH IN 1898.

U. S. CATCH

RELATIVE VALUE OF THE CATCH, BY SPECIES, 1962

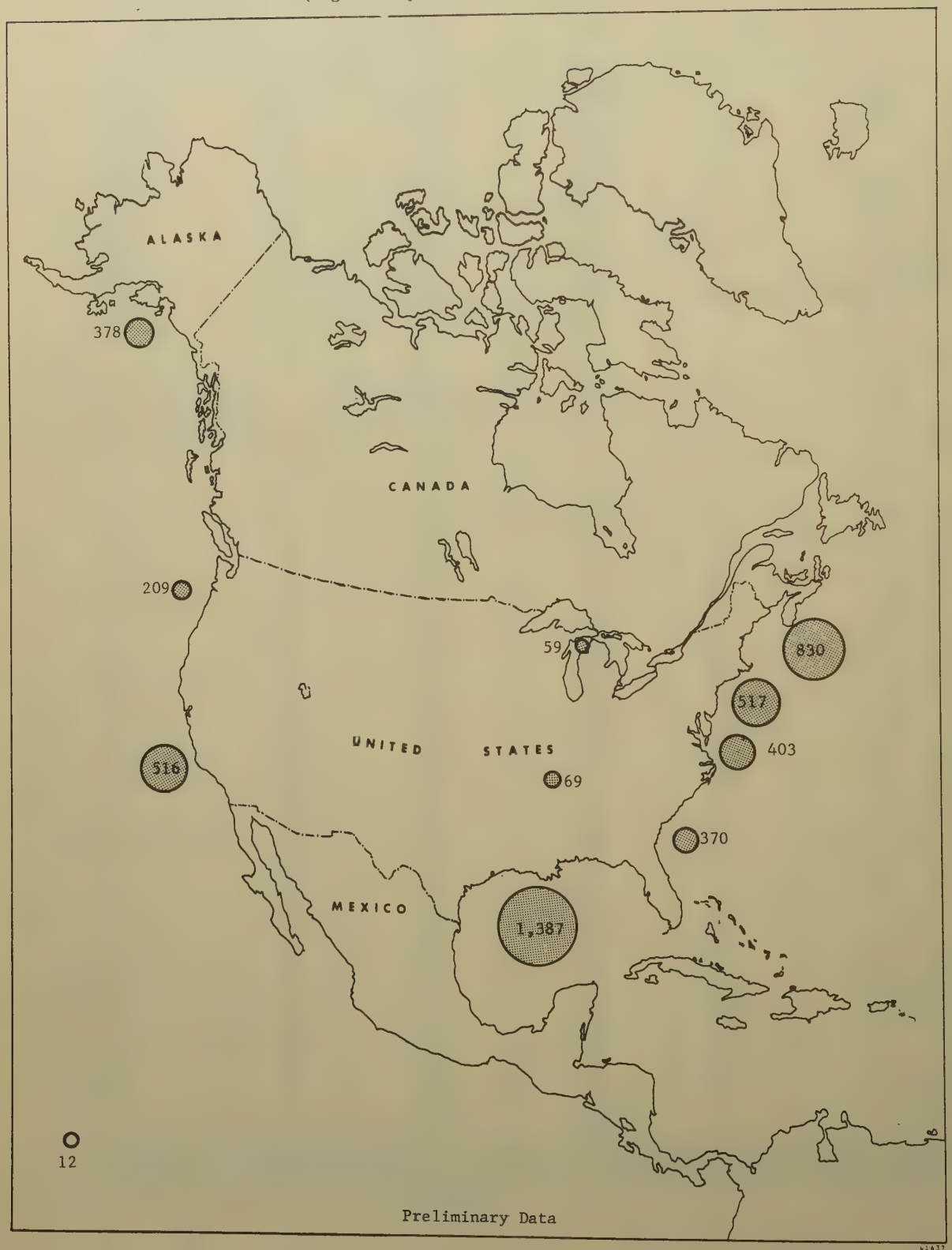
SPECIES	VALUE	PERCENT OF TOTAL	RECORD VALUE	
	THOUSAND DOLLARS	PERCENT	YEAR	THOUSAND DOLLARS
SHRIMP	73,236	18.5	1953	76,641
SALMON	56,353	14.2	1962	56,353
TUNA	45,112	11.4	1950	61,342
OYSTERS	29,139	7.4	1961	33,204
MENHADEN	25,866	6.5	1956	28,425
CRABS	18,708	4.7	1962	18,708
LOBSTERS, NORTHERN	14,953	3.8	1962	14,953
FLOUNDERS	14,390	3.6	1962	14,390
CLAMS	11,762	3.0	1960	12,049
HALIBUT, PACIFIC	11,579	2.9	1962	11,579
HADDOCK	10,913	2.8	1946	13,043
SCALLOPS, SEA	10,024	2.5	1959	11,805
CATFISH AND BULLHEADS	6,178	1.6	1952	6,411
OCEAN PERCH, ATLANTIC	5,223	1.3	1951	12,597
COD:				
ATLANTIC	3,294	.8	1948	4,742
PACIFIC	159	.1	1959	664
TOTAL COD	3,453	.9	-	-
SNAPPER, RED	3,162	.8	1961	3,266
HERRING, SEA:				
ATLANTIC	2,426	.6	1948	3,798
PACIFIC	691	.2	1947	2,152
TOTAL HERRING	3,117	.8	-	-
SCUP OR PORGY	3,048	.8	1962	3,048
MULLET	2,551	.6	1945	4,647
INDUSTRIAL FISH 1/	2,490	.6	1959	2,632
WHITING	2,340	.6	1951	2,903
SCALLOPS, BAY	2,067	.5	1962	2,067
JACK MACKEREL	1,993	.5	1952	4,755
BUFFALOFISH	1,913	.5	1952	3,564
CHUBS	1,706	.4	1958	2,564
LOBSTERS, SPINY	1,561	.4	1962	1,561
ROCKFISHES	1,412	.4	1945	2,648
SEA BASS, BLACK (ATLANTIC)	1,368	.3	1952	5,206
SHAD	1,367	.3	1945	2,680
STRIPED BASS	1,345	.3	1959	1,436
SEA TROUT OR WEAKFISH, SPOTTED	1,242	.3	1952	1,781
YELLOW PERCH	1,108	.3	1958	1,540
CARP	1,047	.3	1951	2,007
MACKEREL, PACIFIC	1,027	.3	1957	1,231
BUTTERFISH	1,005	.3	1962	1,005
SPANISH MACKEREL	935	.2	1945	1,521
ALEWIVES	884	.2	1962	884
GROUPERS	875	.2	1945	1,038
SABLEFISH	842	.2	1946	1,834
OCEAN PERCH, PACIFIC	832	.2	1962	832
MUSSEL SHELLS	708	.2	(2)	(2)
WHALE PRODUCTS 3/	706	.2	(2)	(2)
POLLOCK	685	.2	1945	1,819
POMPANO	666	.2	1941	695
BLUEFISH	646	.2	1951	760
SPOT	598	.2	1949	975
ABALONE	593	.2	1961	607
HERRING, LAKE	559	.1	1952	1,458
WHITEFISH, COMMON	552	.1	1948	3,784
KING MACKEREL	532	.1	1945	578
BLOODWORMS	524	.1	1962	524
YELLOW PIKE	491	.1	1951	2,152
SARDINE, PACIFIC	490	.1	1950	12,140
SQUID	475	.1	1947	1,370
CROAKER	474	.1	1945	6,950
DRUM, RED	450	.1	1945	728
SWORDFISH	439	.1	1946	1,435
SANDWORMS	436	.1	1962	436
UNCLASSIFIED	8,278	2.1	-	-
TOTAL	396,428	100.0	1962	396,428

1/ UNCLASSIFIED SPECIES FOR BAIT, REDUCTION, AND ANIMAL FOOD. 2/ DATA NOT AVAILABLE. 3/ THE VALUE OF THE WHALE PRODUCTS REPRESENTS THE AMOUNT RECEIVED BY THE MANUFACTURER FOR THE PRODUCTION OF WHALE MEAL, MEAT, AND OIL.

U. S. CATCH

VOLUME OF CATCH BY AREAS, 1963

(Figures represent million pounds)



PRIBILOF ISLAND SEALSKINS

TAKE OF PRIBILOF ISLANDS SEALSKINS, 1956-63

Year	Skins taken		
	Male	Female	Total
	Number	Number	Number
1956	95,849	26,977	122,826
1957	46,195	47,423	93,618
1958	47,860	31,059	78,919
1959	30,176	27,634	57,810
1960	36,320	4,296	40,616
1961	82,099	13,875	95,974
1962	53,460	24,455	77,915
1963	42,278	42,976	85,254

AVERAGE VALUE OF PRIBILOF ISLANDS SEALSKINS, 1956-63

Year	Male	Female
	Average value	Average value
1956	$99.95	-
1957	68.22	-
1958	85.28	-
1959	102.20	-
1960	103.31	$35.69
1961	86.69	41.05
1962	107.53	48.40
1963	1/111.72	40.63

1/ Includes receipts for 4,668 dressed and dyed female skins.
Note:--Values are for sealskins sold at public auction in the fall. They are for skins taken several years prior to the date of sale.

WHALE CATCH, 1963

Month	Blue	Bottle-nose	Fin	Hump-back	Killer	Sei	Sperm	Total
	Number	Number	Number	Number	Number	Number	Number	Number
April	-	-	1	15	-	-	11	27
May	-	1	2	20	-	-	12	35
June	-	1	4	9	-	9	2	25
July	1	-	7	2	1	55	4	70
August	-	-	1	3	-	19	13	36
September	4	-	5	5	-	8	19	41
October	1	-	1	1	-	6	16	25
Total, 1963	6	2	21	55	1	97	77	259
Total, 1962	2	-	124	39	1	22	60	248

WHALE PRODUCTS, 1963

Item	Quantity	Value
	Thousand pounds	Thousand dollars
Meal	2,636	153
Meat	2,884	242
Oil:		
Sperm	700	58
Whale	1,429	90
Solubles	15	(1)
Total, 1963	7,664	543
Total, 1962	9,756	706

1/ Less than $500.

Statistics on the fisheries of the United States are necessary for the best use of the Nation's aquatic resources. As series of data for extended periods of time are accumulated, the information becomes increasingly valuable in indicating trends in the supply and utilization of fishery products. The extent to which these data are used is frequently dependent upon the ready availability of needed information to researchers, management officials, and members of the fishing industry.

Periodically, there are published in "Fishery Statistics of the United States" historical data for each State on the catch of important species. The most recent publication of these data was in Statistical Digest No. 43 entitled "Fishery Statistics of the United States, 1956."

Since 1951, there have been published in each edition of "Fishery Statistics of the United States" historical data on the catch of an important species of fish or shellfish, etc. The titles of the series published and the identifying number of the Digest in which each appears follow:

Series	Published in Statistical Digest
Menhaden Fishery, 1873-1951	No. 30
Oyster Fishery, 1880-1952	No. 34
Pacific Sardine Fishery, 1915-53	No. 36
Atlantic Ocean Perch Fishery, 1930-54	No. 39
Pacific Herring Fishery, 1881-1955	No. 41
United States Haddock Fishery, 1880-1956	No. 43
United States Tuna Fishery, 1911-57	No. 44
United States Atlantic Cod Fishery, 1893-1958	No. 49
Fur Seal Industry of the Pribilof Islands, 1786-1959	No. 51
Eastern Pacific Halibut Fishery, 1888-1960	No. 53
California Mackerel Fisheries, 1889-1961	No. 54

Data on the catch of items included in the series for the years 1950 through 1963 are contained in the following table. Also included are data on the catch of other important species of fish and shellfish for the same period.

CATCH OF MAJOR SPECIES OF FISH AND SHELLFISH AND NUMBER OF SEALS HARVESTED, 1950-63

(Thousands of pounds)

Year	Cod			Flounders, Atlantic and Gulf		
	Atlantic	Pacific	Total	Blackback	Fluke	Yellowtail
1950	57,160	7,088	64,248	23,571	11,296	24,115
1951	50,023	9,568	59,591	17,433	11,655	18,430
1952	43,686	10,844	54,530	15,778	15,332	16,987
1953	32,660	8,641	41,301	11,950	15,355	13,773
1954	36,824	16,652	53,476	11,794	16,231	12,763
1955	35,582	13,090	48,672	11,681	15,786	14,373
1956	35,127	9,825	44,952	14,233	18,072	14,643
1957	34,068	11,928	45,996	13,775	16,749	22,454
1958	41,362	12,785	54,147	14,463	16,141	33,325
1959	46,481	13,328	59,809	15,077	15,112	29,811
1960	40,381	5,372	45,753	17,295	16,093	31,207
1961	46,591	3,067	49,658	16,967	14,774	39,398
1962	46,910	3,185	50,095	17,490	13,587	60,590
1963 6/	42,000	6,400	48,400	17,700	10,900	82,600

See footnotes at end of table. (Continued on next page)

CATCH OF MAJOR SPECIES OF FISH AND SHELLFISH AND NUMBER OF SEALS HARVESTED, 1950-63 - Continued

(Thousands of pounds)

Year	Flounders, Atlantic-Continued		Haddock	Halibut, Pacific (Landed weight) 1/		
	Other	Total		United States	Canadian	Total
1950	22,913	81,895	158,559	38,650	18,999	57,649
1951	24,880	72,398	154,103	35,329	21,045	56,374
1952	22,073	70,170	161,497	38,049	24,779	62,828
1953	22,416	63,494	139,603	34,662	25,853	60,515
1954	23,352	64,140	154,934	43,680	27,526	71,206
1955	21,565	63,405	135,035	36,924	22,148	59,072
1956	18,163	65,111	152,246	41,908	25,597	67,505
1957	16,320	69,298	133,571	36,641	24,754	61,395
1958	13,332	77,261	119,554	36,295	28,918	65,213
1959	15,027	75,027	112,629	40,821	30,894	71,715
1960	14,770	79,365	118,697	38,302	33,613	71,915
1961	14,249	85,388	133,597	40,025	29,466	69,491
1962	12,787	104,454	134,250	40,416	34,673	75,089
1963 6/	14,000	125,200	123,900	34,200	37,000	71,200

Year	Herring, sea		Jack Mackerel	Mackerel			Menhaden 2/
	Atlantic	Pacific		Atlantic	Pacific	Total	
1950	196,534	170,300	133,256	22,094	32,650	54,744	1,026,318
1951	67,212	93,700	89,838	15,748	33,518	49,266	1,127,065
1952	155,167	55,700	146,522	18,187	20,605	38,792	1,383,592
1953	111,252	40,800	55,751	8,545	7,502	16,047	1,696,076
1954	130,195	36,500	17,334	4,017	25,393	29,410	1,737,767
1955	105,683	66,600	35,755	3,871	23,310	27,181	1,867,783
1956	147,901	109,730	75,762	4,034	50,013	54,047	2,097,239
1957	161,602	120,577	82,012	2,418	62,044	64,462	1,690,128
1958	179,008	99,509	22,066	4,574	27,648	32,222	1,549,098
1959	121,377	114,712	37,507	4,047	37,602	41,649	2,202,732
1960	155,198	83,820	74,945	3,078	36,810	39,888	2,018,263
1961	58,243	54,491	97,606	3,012	44,110	47,122	2,314,677
1962	158,536	41,570	90,363	2,076	48,579	50,655	2,347,944
1963 6/	154,200	38,600	95,400	2,600	40,200	42,800	1,779,500

Year	Mullet	Ocean perch, Atlantic	Pollock	Salmon, Pacific			
				Chinook or king	Chum or keta	Pink	Red or sockeye
1950	35,024	207,793	25,648	36,559	74,611	85,773	91,476
1951	39,163	258,307	22,717	43,201	65,133	147,644	66,181
1952	36,755	189,029	26,956	40,797	77,405	79,521	110,147
1953	34,473	153,893	23,912	39,179	64,565	97,170	83,348
1954	33,997	181,448	20,411	36,415	76,233	88,694	91,736
1955	35,237	156,989	23,160	42,784	32,614	128,179	57,586
1956	37,109	151,113	23,023	38,158	59,968	102,156	94,248
1957	39,958	133,931	22,034	30,509	68,737	71,652	67,511
1958	42,771	148,645	32,894	27,583	68,011	120,721	67,812
1959	41,097	136,703	24,545	27,414	38,535	61,740	53,790
1960	40,839	141,433	22,334	24,057	49,811	52,588	95,326
1961	42,813	132,062	21,406	26,962	48,139	108,452	103,644
1962	43,165	123,983	16,333	25,111	60,345	143,309	58,049
1963 6/	41,900	108,300	14,600	26,500	36,200	151,500	42,000

See footnotes at end of table. (Continued on next page)

HISTORICAL FISHERY STATISTICS

CATCH OF MAJOR SPECIES OF FISH AND SHELLFISH AND NUMBER OF SEALS HARVESTED, 1950-63 - Continued

(Thousands of pounds)

Year	Salmon		Sardine, Pacific	Scup or porgy	Tuna, Pacific 3/		
	Silver or coho	Total			Albacore	Bluefin 4/	Little
1950	40,225	328,644	714,522	35,528	72,476	4,586	-
1951	52,064	374,223	328,894	36,689	34,547	5,897	-
1952	44,404	352,274	14,330	33,759	52,663	6,783	-
1953	28,672	312,934	9,469	43,945	34,749	12,599	-
1954	31,637	324,715	136,504	46,909	27,027	23,784	-
1955	28,717	289,880	145,608	44,765	29,758	15,763	-
1956	29,719	324,249	69,554	36,978	41,351	14,897	-
1957	26,744	265,153	45,862	34,108	46,669	21,948	-
1958	23,327	307,454	207,446	38,973	38,461	32,315	-
1959	20,205	201,684	74,367	47,173	46,295	16,516	19
1960	13,665	235,447	57,534	49,229	40,211	13,248	4
1961	23,201	310,398	43,170	46,584	32,844	21,920	2
1962	27,752	314,566	15,363	46,306	45,955	39,496	30
1963 6/	22,900	279,100	7,100	42,200	60,700	40,000	40

Year	Tuna, Pacific - continued			Whiting	Crabs		
	Skipjack	Yellowfin	Total		Blue	Dungeness	King
1950	136,098	188,612	401,772	67,332	126,073	27,930	1,519
1951	129,476	162,238	332,158	120,076	114,356	29,332	1,994
1952	92,136	179,675	331,257	108,437	104,236	26,469	2,773
1953	135,037	133,962	316,347	89,625	110,540	26,578	4,613
1954	167,777	119,928	338,516	95,257	101,541	28,481	8,871
1955	112,147	123,652	281,320	118,876	101,297	24,334	8,163
1956	134,849	151,227	342,324	93,923	98,337	34,184	8,796
1957	96,951	137,623	303,191	133,041	113,728	42,774	13,077
1958	130,207	124,135	325,118	111,404	110,934	42,097	11,212
1959	110,895	108,939	282,664	115,192	116,488	36,947	18,840
1960	53,660	189,663	296,786	111,602	154,697	36,157	28,570
1961	76,354	192,313	323,433	100,729	152,758	32,699	43,412
1962	102,221	124,455	312,157	105,088	155,218	23,364	52,782
1963 6/	108,700	110,400	319,840	92,800	142,500	24,500	77,000

Year	Crabs - continued		Lobsters, northern	Shrimp			
	Other	Total		South Atlantic and Gulf	Pacific	Other	Total
1950	3,756	159,278	23,198	188,234	3,132	108	191,474
1951	2,431	148,113	25,946	221,422	2,750	144	224,316
1952	1,629	135,107	25,031	223,939	3,088	194	227,221
1953	2,416	144,147	28,115	257,436	2,797	124	260,357
1954	1,754	140,647	27,481	265,799	2,517	18	268,334
1955	1,939	135,733	28,954	240,941	3,381	13	244,335
1956	2,082	143,399	26,520	219,139	5,016	18	224,173
1957	1,760	171,339	30,155	197,043	6,811	28	203,882
1958	2,136	166,379	27,227	195,938	17,891	13	213,842
1959	2,355	174,630	29,085	219,509	20,652	21	240,182
1960	2,257	221,681	31,168	236,939	12,418	95	249,452
1961	2,737	231,606	27,998	153,544	20,912	74	174,530
1962	2,976	234,340	29,497	167,804	22,906	396	191,106
1963 6/	3,400	247,400	30,400	219,200	20,500	600	240,300

See footnotes at end of table.

(Continued on next page)

CATCH OF MAJOR SPECIES OF FISH AND SHELLFISH AND NUMBER OF SEALS HARVESTED, 1950-63 - Continued

(Thousands of pounds)

Year	Clam (meats)					Oyster (meats)	
	Hard	Soft	Razor	Surf 5/	Total	Eastern	Pacific
1950	21,049	9,390	2,543	8,074	41,056	68,192	8,080
1951	20,801	9,021	2,801	10,762	43,385	64,305	8,597
1952	17,573	7,332	1,759	13,181	39,845	72,165	9,957
1953	16,976	5,666	1,930	13,009	37,581	69,319	10,283
1954	13,519	5,129	1,633	12,108	32,389	70,971	10,855
1955	14,385	5,112	2,436	12,495	34,428	65,855	11,602
1956	14,693	6,116	981	16,409	38,199	63,225	11,882
1957	14,767	5,716	1,039	18,366	39,888	60,013	11,614
1958	14,280	6,599	786	14,744	36,409	55,165	11,197
1959	13,553	7,131	965	23,346	44,995	52,339	12,328
1960	14,877	8,579	824	25,292	49,572	48,982	10,983
1961	14,604	7,363	725	27,638	50,330	52,113	10,154
1962	13,295	9,396	529	30,949	54,169	45,297	10,714
1963 6/	12,900	9,300	270	38,100	60,570	46,600	8,977

Year	Oyster (meats) continued		Scallops, sea (meats)	Other	Grand total, U. S. catch	Sealskins Harvested
	Western	Total				
	(Thousands of pounds)					(Number)
1950	143	76,415	19,980	636,216	4,900,826	60,537
1951	88	72,990	18,746	626,874	4,433,393	51,506
1952	120	82,242	18,630	693,918	4,432,403	63,950
1953	117	79,719	23,618	717,598	4,486,822	66,723
1954	96	81,922	17,631	731,822	4,762,453	63,882
1955	58	77,515	22,125	771,423	4,809,377	65,453
1956	27	75,134	20,066	860,335	5,268,246	122,826
1957	31	71,658	20,994	856,447	4,789,186	93,608
1958	34	66,396	18,977	822,632	4,747,206	78,919
1959	43	64,710	24,644	801,127	5,121,953	57,810
1960	45	60,010	26,599	681,682	4,942,229	40,616
1961	38	62,305	27,461	697,864	5,186,709	95,974
1962	26	56,037	24,634	755,817	5,354,185	77,915
1963 6/	23	55,600	20,500	736,035	4,750,145	85,254

1/ Landed weight of halibut can be converted to round weight by multiplying by 1.33.

2/ The catch of menhaden represents the total catch of these fish. The historical figures published in Statistical Digest No. 30 represented the catch used for reduction which normally accounted for over 99 percent of the total catch.

3/ The catch of tuna includes landings in Hawaii. The historical figures contained in Statistical Digest No. 44 included landings in California, Oregon, and Washington.

4/ Includes data on the catch of bigeye tuna in Hawaii.

5/ Includes a small amount of other clams.

6/ Preliminary.

Note:--This table will not add because halibut has been shown in landed rather than round weight.

EMPLOYMENT, FISHING CRAFT, AND ESTABLISHMENTS, VARIOUS YEARS, 1930-62

Item	1930	1940	1950	1960	1962
	Number	Number	Number	Number	Number
Persons employed:					
Direct:					
Fishermen	119,716	124,795	161,463	130,431	126,333
Shoreworkers	78,996	90,215	102,015	93,625	90,993
Indirect:					
Allied industries (gear manufacture, boat building, processing equipment, etc.)	200,000	210,000	300,000	313,000	315,000
Total	398,712	425,010	563,478	537,056	532,326
Craft utilized, fishing:					
Vessels (5 net tons and over)	4,374	5,562	11,496	12,018	11,511
Motor boats	35,437	31,055	46,067	56,889	54,406
Other boats	37,961	35,193	34,747	8,150	4,816
Total	77,772	71,810	92,310	77,057	70,733
Vessels, documented for fishing:					
First documentation	(1)	320	812	408	352
Redocumentation	(1)	(1)	29	24	16
Total	(1)	(1)	841	432	368
Fishery shore establishments:					
Pacific Coast States	569	579	700	515	583
Atlantic Coast and Gulf States	2,024	2,038	2,699	2,898	2,897
Great Lakes and Mississippi River States	402	438	484	772	636
Hawaii	(1)	(1)	(1)	22	19
Total	2,995	3,055	3,883	4,207	4,135

1/ Data not available.

CONSUMPTION OF FISH AND SHELLFISH

Available data indicate that per capita consumption of commercially-caught fish and shellfish in 1963 amounted to 10.6 pounds--01 pound less than in 1962. Not included in this figure is an estimated annual per capita consumption of 3.5 pounds taken by sportsmen or for home use by others.

Despite strong competition from other animal protein foods, annual per capita consumption of commercially-caught fish and shellfish in the United States has, for many years, averaged 10 to 11 pounds, except for the periods 1931 to 1934, and 1942 to 1944 when consumption declined sharply due to the depression of the 1930's and World War II.

Although consumption of fresh and frozen fish and shellfish has not shown significant change in the past 30 years, considerable variation has taken place in the species consumed. Haddock, Atlantic mackerel, and oysters have shown significant declines because of reduced supplies. Consumption of ocean perch, cod, and shrimp have increased due to the development of the ocean perch fishery, growth of the domestic shrimp fishery, and large increases in imports of cod and shrimp.

Per capita consumption of canned fishery products reached a peak in the 1930's averaging 4.7 pounds during the years from 1934 to 1939. Following the latter year, consumption declined, and in the 1950's, averaged just over 4.0 pounds. Due to reduced production, consumption of canned salmon declined from an average of 2.4 pounds per capita in the 1930's to less than 1 pound since 1958. Consumption of canned Pacific sardines also dropped sharply due to reduced supplies. An outstanding change has been the rapid growth of the market for canned tuna. Consumption of this product amounted to one-half pound per capita in 1935, 1 pound in 1949, and 2 pounds or more since 1959.

Consumption of cured fishery products fell steadily from an estimated 3 to 4 pounds per capita early in the century to about one-half pound in recent years.

PER CAPITA CONSUMPTION OF COMMERCIALLY-CAUGHT FISH AND SHELLFISH, 1961-63

(Edible weight)

Item	1961	1962	1963 1/
	Pounds	Pounds	Pounds
Fresh and frozen	6.0	5.8	5.8
Canned	4.3	4.4	4.3
Cured	.5	.5	.5
Total	10.8	10.7	10.6

1/ Preliminary.

PER CAPITA CONSUMPTION

PER CAPITA CONSUMPTION OF CANNED FISHERY PRODUCTS, 1936-40 and 1946-63

Year	Mackerel, Pacific and jack	Salmon	Sardines, Maine and Pacific 1/	Tuna 2/	Shellfish	Other canned fishery products	Total
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
1936	.5	3.0	1.3	.4	.4	.2	5.8
1937	.3	2.6	1.2	.5	.4	.2	5.2
1938	.3	2.4	1.0	.5	.4	.2	4.8
1939	.3	2.1	1.1	.6	.5	.1	4.7
1940	.4	2.0	1.0	.6	.5	.1	4.6
1946	.3	1.2	.8	.7	.4	.3	3.7
1947	.4	1.3	.8	.8	.2	.1	3.6
1948	.4	1.6	1.1	.9	.3	.1	4.4
1949	.3	1.6	1.1	.9	.3	.2	4.4
1950	.4	1.4	1.3	1.1	.4	.2	4.8
1951	.3	1.4	.8	1.2	.4	.2	4.3
1952	.4	1.4	.4	1.3	.3	.4	4.2
1953	.2	1.3	.6	1.4	.4	.3	4.2
1954	.1	1.1	.7	1.4	.4	.5	4.2
1955	.2	1.0	.5	1.4	.4	.3	3.8
1956	.2	1.1	.3	1.6	.4	.3	3.9
1957	.3	1.0	.4	1.6	.4	.3	4.0
1958	.1	1.1	.6	1.8	.4	.3	4.3
1959	.1	.9	.6	1.9	.5	.4	4.4
1960	.2	.7	.5	2.0	.4	.3	4.1
1961	.2	.8	.5	2.1	.4	.3	4.3
1962	.3	.9	.4	2.1	.4	.3	4.4
1963 3/	.3	.9	.4	2.0	.5	.2	4.3

1/ Includes imports of some canned herring for the years prior to 1950.
2/ Includes imports of bonito and yellowtail for the years prior to 1949.
3/ Preliminary.

PER CAPITA CONSUMPTION OF CERTAIN FISHERY ITEMS, 1936-40 and 1946-63

(Pounds of edible meat)

Year	Groundfish and ocean perch fillets and blocks 1/	Shrimp 2/	Year	Groundfish and ocean perch fillets and blocks 1/	Shrimp 2/
	Raw, fresh and frozen	Raw, all preparations		Raw, fresh and frozen	Raw, all preparations
1936	0.74	0.35	1952	1.44	0.97
1937	0.74	0.45	1953	1.38	0.96
1938	0.77	0.45	1954	1.48	0.98
1939	0.79	0.48	1955	1.49	1.02
1940	0.81	0.52	1956	1.39	0.98
1946	1.13	0.75	1957	1.52	0.87
1947	1.13	0.69	1958	1.49	0.95
1948	1.25	0.68	1959	1.45	1.14
1949	1.31	0.71	1960	1.44	1.19
1950	1.29	0.78	1961	1.61	1.11
1951	1.56	0.91	1962	1.67	1.03
			1963 3/	1.65	1.13

1/ Imports and frozen inventories not available prior to 1939.
2/ Frozen inventories not available prior to 1939. Weight based on uncooked edible meat.
3/ Preliminary.

ANNUAL PER CAPITA SUPPLY OF FISH AND SHELLFISH, BY REGION AND COUNTRY, LATEST AVAILABLE DATA

Region and country	Period	Estimated edible weight
		Pounds
Europe:		
Austria	1961-62	8.8
Belgium-Luxembourg	1960-61	17.6
Denmark	1961-62	37.5
Finland	1960-61	24.3
France	1959-60	13.2
Germany (Federal Republic)	1961-62	15.4
Greece	1960	17.6
Ireland	1961	8.8
Italy	1961-62	11.0
Netherlands	1961-62	8.8
Norway	1961-62	46.3
Portugal	1961	44.1
Spain	1961-62	24.3
Sweden	1961-62	41.9
Switzerland	1961-62	8.8
United Kingdom	1961-62	19.8
Yugoslavia	1960	2.2
North America:		
Canada	1961-62	17.6
United States	1962	10.5
Latin America:		
Argentina	1960	4.4
Brazil	1960	6.6
Chile	1960	24.3
Colombia	1956-58	2.2
Equador	1960	8.8
Honduras	1948-50	4.4
Mexico	1960	4.4
Peru	1960	13.2
Surinam	1959	24.3
Uruguay	1960	2.2
Venezuela	1960	17.6
Far East:		
Ceylon	1961	11.0
China, Taiwan	1961	28.7
India	1960-61	2.2
Japan	1960	50.7
Pakistan	1960-61	4.4
Philippines	1961	22.0
Africa and Near East:		
Israel	1960-61	15.4
Jordan	1960	2.2
Libya	1959	2.2
Cyrenaica	1958	2.2
Mauritius	1961	11.0
Rhodesia and Nyasaland (Federal Republics of Southern Rhodesia)	1953	4.4
South Africa	1959-60	24.3
Syria	1957	2.2
Turkey	1959-60	4.4
United Arab Republic	1960-61	11.0
Oceania:		
Australia	1960-61	11.0
New Zealand	1961	15.4

Note:--Data for most countries are tentative.

Source:--Production Yearbook, 1962, Volume 16, Food and Agriculture Organization of the United Nations.

CANNED PACK

The 1963 pack of canned fishery products in the United States, American Samoa, and Puerto Rico amounted to 34.5 million standard cases (1,032,473,492 pounds) valued at $420.8 million to the packers. Compared with the pack in 1962, production was down 2.4 million cases, (100.7 million pounds) and $36.0 million. The decreases resulted mainly from a sharp decline in the canning of fish for animal food and smaller packs of Alaska salmon, California tuna, and Maine and Pacific sardines.

PACK OF CERTAIN CANNED PRODUCTS, 1962-63

Item	Pounds per case	1962	1963 1/	Record pack	
		Thousand standard cases	Thousand standard cases	Year	Thousand standard cases
Tuna	(2)	17,018	16,556	1962	17,018
Salmon	48	3,801	3,290	1936	8,965
Sardines:					
Maine	23.4	2,147	1,637	1950	3,844
Pacific	45	137	57	1950	5,071
Mackerel, jack and Pacific	45	1,220	1,275	1947	1,755
Crab meat	19.5	288	377	1963	377
Shrimp	15	883	1,060	1937	1,435
Clams:					
Whole and minced	15	599	545	1962	599
Chowder and juice	30	1,501	1,629	1963	1,629
Oysters	14	322	446	1937	760
Animal food and bait	48	7,827	6,395	1960	8,802
Other	Various	1,100	1,218	-	-
Total	-	36,843	34,485	-	-

1/ Preliminary.
2/ Solid, 21 pounds; chunk, 19.5 pounds; flakes and grated, 18 pounds.

PRODUCTION OF CANNED FISHERY PRODUCTS, VARIOUS YEARS, 1936-63

Year	For human consumption		For animal food and bait		Total
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand dollars
1936	756,593	93,759	12,980	805	94,564
1940	646,130	92,192	35,064	1,990	94,182
1948	718,665	329,210	63,543	6,971	336,181
1949	762,291	286,841	92,724	8,663	295,504
1950	*836,485	317,464	130,630	13,871	331,335
1951	687,999	289,534	112,410	11,676	301,210
1952	641,604	290,161	167,891	15,668	305,829
1953	605,894	289,526	186,300	17,348	306,874
1954	669,209	312,598	193,314	18,420	331,018
1955	586,755	274,967	256,941	28,198	303,165
1956	655,986	316,082	321,777	33,434	349,516
1957	639,965	300,750	347,637	35,079	335,829
1958	733,519	345,616	361,083	42,966	388,582
1959	622,150	310,262	346,985	37,989	348,251
1960	660,928	342,747	*422,490	44,848	387,595
1961	708,707	382,809	334,033	40,027	422,836
1962	756,816	*410,198	376,408	*46,683	*456,881
1963 1/	725,501	380,554	306,972	40,278	420,832

1/ Preliminary. *Record.

FISH MEAL, OIL, AND SOLUBLES

A total of 253,500 tons of fish meal was produced in the United States, American Samoa, and Puerto Rico in 1963. This was a decrease of 19 percent (58,800 tons) compared with the 1962 record production of 312,300 tons. Menhaden meal comprised 72 percent of the 1963 total. Compared with the previous year, menhaden meal was down 57,900 tons, due to a shortage of menhaden.

Production of fish and fish liver oils in the United States and Puerto Rico totaled 185.8 million pounds--26 percent less than in the previous year. Menhaden oil accounted for 167.6 million pounds or 90 percent of the production.

The yield of homogenized condensed fish (7,200 tons) was 35 percent less than in 1962. The amount of fish solubles (100,100 tons) produced in 1963 was 12 percent less than in 1962.

PRODUCTION OF FISH MEAL, OIL, AND SOLUBLES, 1962-63

Product	1962	1963 1/	Record	
			Year	Quantity
	Thousand tons	Thousand tons	Year	Thousand tons
Meal:				
Menhaden	239.7	181.8	1961	247.6
Sardine, Pacific	.7	(2)	1936	121.7
Herring	5.1	7.5	1937	20.5
Tuna and mackerel	26.6	27.0	1963	27.0
Unclassified	40.2	37.2	-	-
Total	312.3	253.5	1962	312.3
	Thousand pounds	Thousand pounds		Thousand pounds
Oil:				
Menhaden	232,619	167,635	1961	235,167
Sardine, Pacific	161	(2)	1936	195,986
Herring	5,086	5,709	1937	42,172
Tuna and mackerel	5,008	5,735	1950	6,633
Unclassified	7,201	6,748	-	-
Total	250,075	185,827	1936	299,264
	Tons	Tons		Tons
Homogenized condensed fish	11,096	7,224	1956	29,788
Fish solubles	113,553	100,178	1959	136,662

1/ Preliminary.
2/ Included with unclassified.

FROZEN FISH

The 1963 production of frozen fish and shellfish in the United States by firms reporting to the Bureau of Commercial Fisheries totaled 351.5 million pounds. Of this amount, salt-water fish comprised 46 percent; shellfish, 36; bait and animal food from both fresh-water and salt-water fish, 17; and fresh-water fish, 1 percent.

Leading products frozen during 1963 were: shrimp, 112.5 million pounds; bait and animal food, 60.0 million pounds, blocks, fillets, and steaks, 59.8 million pounds; dressed halibut, 32.8 million pounds; and headed and gutted whiting, 21.5 million pounds. An estimated 569.4 million pounds of fish and shellfish (live weight) were required to produce the 1963 production of frozen fishery items.

FREEZINGS AND HOLDINGS OF FISH AND SHELLFISH, 1962-63

Item	1962	1963	Record production	
	Thousand pounds	Thousand pounds	Year	Thousand pounds
Freezings:				
Leading items:				
Bait and animal food	63,355	59,993	1961	67,564
Blocks, fillets, and steaks:				
Ocean perch	26,398	26,024	1951	71,400
Haddock	11,533	10,824	1950	25,224
Other	19,184	22,928	-	-
Round, dressed, etc.:				
Halibut	43,306	32,814	1962	43,306
Whiting	32,723	21,543	1951	45,520
Salmon	14,570	15,575	1945	30,009
Other	45,375	35,228	-	-
Shellfish:				
Shrimp	77,919	112,496	1963	112,496
Other	9,116	14,041	-	-
Total all fishery products	343,479	351,466	1963	351,466
High month	(July) 48,280	(July) 48,444	-	-
Low month	(Jan.) 12,628	(Feb.) 15,374	-	-
Holdings:				
High month	(Dec.)230,527	(Nov.)248,654	-	-
Low month	(Mar.)123,454	(Mar.)153,511	-	-

FISH STICKS AND PORTIONS

The remarkable fish stick and portion industry continued rapid growth during 1963; and production reached an all-time high. The yield of fish sticks totaled 79.3 million pounds--7.1 million pounds more than in 1962. Fish portion production amounted to 94.6 million pounds--nearly 16.0 million pounds above the 1962 total.

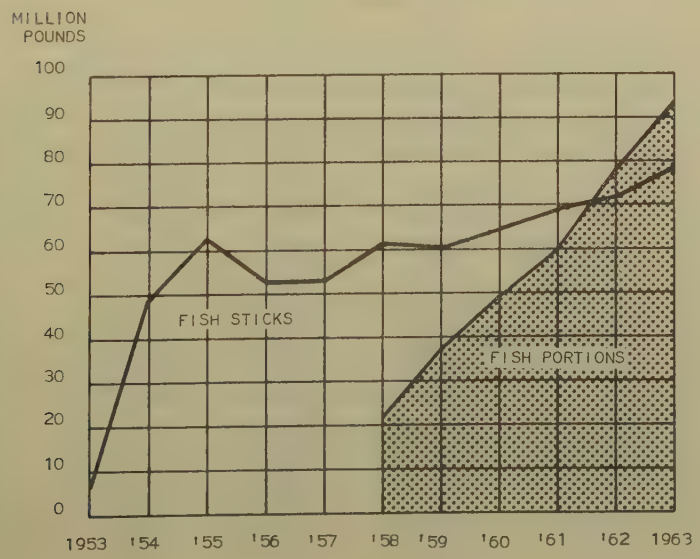
Good markets for these products have kept many shore workers employed; however, development of the fish stick and portion industry has not greatly affected the domestic catch of groundfish since mostly imported blocks of groundfish fillets are used in the manufacture of these products.

PRODUCTION OF FISH STICKS AND PORTIONS, 1953-63

Year	Fish sticks		Fish portions	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
1953	7,502	4,176	(1)	(1)
1954	49,962	26,506	(1)	(1)
1955	63,046	28,886	(1)	(1)
1956	52,818	23,193	(1)	(1)
1957	53,128	23,544	(1)	(1)
1958	61,011	27,000	21,790	7,972
1959	60,378	28,611	37,147	13,138
1960	65,142	28,671	49,381	17,517
1961	69,824	30,100	59,847	22,192
1962	72,217	30,076	78,678	28,089
1963 2/	*79,295	*31,587	*94,647	*33,981

1/ Data not available. 2/ Preliminary. * Record.

PRODUCTION OF FISH STICKS AND PORTIONS, 1953-63



PACKAGED FISH

PRODUCTION OF PACKAGED FISH, 1963

Item	Fillets		Steaks		Total	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Fresh	73,284	27,565	638	154	73,922	27,719
Frozen	81,452	24,821	8,031	4,055	89,483	28,876
Total	154,736	52,386	8,669	4,209	163,405	56,595

VALUE

VALUE OF MANUFACTURED FISHERY PRODUCTS AT PROCESSORS' LEVEL, 1962-63

(Produced from domestic catch and imported products)

Item	1962		1963
	Thousand dollars	Percent of total	Thousand dollars
Canned	456,881	47.7	420,832
Packaged:			
Fillets and steaks	58,327	6.1	56,595
Fish sticks	30,076	3.1	31,587
Fish portions	28,089	2.9	33,981
Other (fish and shellfish)	259,890	27.1	(1)
Cured	50,114	5.2	(1)
Industrial products	75,677	7.9	68,018
Total	959,054	100.0	(1)

1/ Data not available.

INDUSTRIAL PRODUCTS

PRODUCTION OF INDUSTRIAL PRODUCTS, 1950-63

Year	Quantity			Value			
	Fish meal	Fish solubles 1/	Marine animal oil 2/	Fish meal, oil, and solubles	Shell products	Other industrial products	Grand total
	Tons	Tons	Thousand pounds	Thousand dollars	Thousand dollars	Thousand dollars	Thousand dollars
1950	239,954	51,863	163,229	51,188	*17,253	8,747	77,188
1951	209,756	50,364	136,292	46,126	15,129	8,058	69,313
1952	221,403	70,482	120,708	42,533	14,703	10,756	67,992
1953	238,851	81,494	152,206	48,387	16,592	9,393	74,372
1954	256,967	115,030	163,985	56,151	17,024	9,252	82,427
1955	264,502	110,919	186,734	57,972	14,542	10,821	83,335
1956	295,793	128,829	201,500	*65,128	14,513	12,096	*91,737
1957	264,085	122,273	152,615	55,429	14,289	11,663	81,381
1958	248,140	130,177	165,210	55,610	11,361	12,912	79,883
1959	306,551	*165,359	187,334	59,061	9,325	13,830	82,216
1960	290,137	98,929	209,143	42,689	10,074	13,832	66,595
1961	311,265	112,254	258,118	51,781	9,362	13,426	74,569
1962	*312,259	124,649	250,075	53,209	8,557	*13,911	75,677
1963 3/	253,452	107,402	185,827	47,329	7,000	13,689	68,018

1/ Includes homogenized condensed fish. 2/ Record production, 1936 (299.3 million pounds).
3/ Preliminary. * Record.

MANUFACTURING PLANTS

PLANTS PRODUCING CANNED AND INDUSTRIAL FISHERY PRODUCTS, 1963

Area and State	Canned fishery products	Industrial fishery products	Total plants, exclusive of duplication
	Number	Number	Number
New England:			
Maine	35	13	47
Massachusetts	7	4	10
Rhode Island	1	1	2
Connecticut	1	1	2
Total	44	19	61
Middle Atlantic:			
New York	12	4	13
New Jersey	14	12	25
Pennsylvania	8	2	9
Delaware	1	2	3
Total	35	20	50
Chesapeake:			
Maryland	6	8	12
Virginia	10	15	25
Total	16	23	37
South Atlantic and Gulf:			
North Carolina	6	14	17
South Carolina	3	-	3
Georgia	-	1	1
Florida	5	6	11
Alabama	1	1	2
Mississippi	13	4	17
Louisiana	22	9	29
Texas	3	4	7
Total	53	39	87
Great Lakes and Mississippi River:			
Illinois	3	-	3
Iowa	1	6	7
Kansas	2	-	2
Michigan	2	-	2
Nebraska	1	-	1
Ohio	2	-	2
Wisconsin	4	-	4
Total	15	6	21
Pacific Coast:			
Alaska	100	1	101
Washington	61	12	73
Oregon	20	5	21
California	26	21	34
Total	207	39	229
Hawaii	1	-	1
American Samoa	2	2	2
Puerto Rico	4	3	4
Grand Total	377	151	492

WHOLESALE AVERAGE PRICES AND INDEXES FOR EDIBLE FISH AND SHELLFISH, DECEMBER 1963 WITH COMPARISONS

Group, subgroup, and item specification	Point of pricing	Unit	Avg. prices ($) 1/		Indexes (1957-59=100)			
			Dec. 1963	Nov. 1963	Dec. 1963	Nov. 1963	Oct. 1963	Dec. 1962
All fish & shellfish (fresh, frozen, and canned)					107.5	106.1	106.8	120.9
Fresh & frozen fishery products:					110.5	109.0	110.0	127.6
Drawn, dressed, or whole finfish:					114.4	117.0	121.6	133.1
Haddock, large, offshore, drawn, fresh	Boston	lb.	.17	.16	133.0	124.7	104.0	143.8
Halibut, west., 20/80 lbs., dressed, fresh or frozen	New York	lb.	.33	.33	96.1	97.1	129.9	127.1
Salmon, king, large & medium, dressed, fresh, or frozen	New York	lb.	.85	.89	118.0	124.0	132.7	135.2
Whitefish, L. Superior, drawn, fresh	Chicago	lb.	.41	.56	61.2	83.6	78.3	103.0
Yellow pike, L. Michigan & Huron, round, fresh	New York	lb.	.51	.46	83.5	75.3	83.5	88.5
Processed, fresh (fish & shellfish):					111.5	107.2	106.6	128.5
Fillets, haddock, small, skins on, 20-lb. tins	Boston	lb.	.57	.54	138.0	131.1	114.1	139.6
Shrimp, large, (20-30 count), headless, fresh	New York	lb.	.82	.73	95.5	85.0	87.9	123.1
Oysters, shucked, standards	Norfolk	gal.	7.50	7.75	126.5	130.7	128.6	132.8
Processed, frozen (fish & shellfish):					101.3	98.6	97.5	116.4
Fillets: Flounder, skinless, 1-lb. package	Boston	lb.	.39	.39	98.9	98.9	100.1	100.1
Haddock, small, skins on, 1-lb. package	Boston	lb.	.40	.38	115.8	111.4	114.3	107.0
Ocean perch, large, skins on, 1-lb. package	Boston	lb.	.35	.34	121.0	119.2	118.4	117.5
Shrimp, large (26-30 count), brown, 5-lb. package	Chicago	lb.	.78	.76	91.9	89.5	86.0	122.2
Canned fishery products:					102.5	101.2	101.7	109.4
Salmon, pink, No. 1 tall, (16 oz.), 48 cans/cs.	Seattle	cs.	23.50	23.25	102.4	101.3	102.4	111.1
Tuna, light meat, chunk, No. 1/2 tuna (6-1/2 oz.), 48 cans/cs.	Los Angeles	cs.	11.06	10.88	98.2	96.6	96.6	104.4
Mackerel, jack, California, No. 1 tall (15 oz.), 48 cans/cs	Los Angeles	cs.	5.75	5.75	97.5	97.5	97.5	2/100.0
Sardines, Maine, keyless oil, 1/4 drawn (3-3/4 oz.), 100 cans/cs.	New York	cs.	8.96	8.84	114.9	113.3	113.3	119.4

1/ Represent average prices for one day (Monday or Tuesday) during the week in which the 15th of the month occurs. These prices are published as indicators of movement and not necessarily absolute level. Daily Market News Service "Fishery Products Reports" should be referred to for actual prices.

2/ New product replaced California canned sardines starting December 1962; entered wholesale price index at 100 under revised procedures of Bureau of Labor Statistics.

Source:--U. S. Department of Labor, Bureau of Labor Statistics.

U. S. IMPORTS

IMPORTANT FISHERY IMPORTS, 1962-63

Item		1962	1963 1/	Record imports	
		Quantity	Quantity	Year	Quantity
Edible fishery products:					
Fresh and frozen:					
Fillets:					
Groundfish and ocean perch.	1,000 pounds	77,879	78,456	1963	231,728
Blocks or slabs	do	143,541	153,272		
Total	do	221,420	231,728	1963	231,728
Other	do	76,443	68,488	1962	76,443
Halibut (includes fillets). .	do	32,074	27,539	1962	32,074
Salmon.	do	9,735	8,897	1950	44,975
Tuna:					
Albacore.	do	83,940	75,346	1962	83,940
Other	do	188,525	155,431	1962	188,525
Loins and discs	do	10,521	12,115	1957	12,434
Sea scallop (meats)	do	11,563	13,343	1963	13,343
Lobsters:					
Common (includes fresh-cooked meat)	do	22,101	21,846	1951	23,558
Spiny	do	35,947	34,049	1962	35,947
Shrimp (mostly frozen, some canned and dried).	do	141,183	151,530	1963	151,530
Canned:					
Salmon.	do	6,843	1,250	1959	31,154
Sardines:					
In oil.	do	32,603	19,908	1932	42,336
Not in oil.	do	20,342	21,639	1953	34,271
Tuna:					
In oil.	do	358	223	1950	36,410
In brine.	do	56,361	57,269	1961	58,232
Bonito and yellowtail:					
In oil.	do	6,127	3,480	1954	12,996
In brine.	do	2,600	2,385	1957	3,905
Crab meat	do	3,505	5,295	1939	13,507
Lobsters:					
Common.	do	3,111	2,362	1962	3,111
Spiny	do	198	281	1952	2,621
Oysters (mostly canned) . . .	do	7,830	8,254	1963	8,254
Nonedible fishery products:					
Scrap and meal.	tons	252,307	383,107	1963	383,107
Solubles.	do	6,308	6,773	1959	26,630
Whale oil, sperm.	1,000 pounds	69,223	67,328	1962	69,223

1/ Preliminary.

Note:--The data include imports into U. S. territories and possessions, but do not include landings of tuna by foreign vessels in American Samoa.

Source:--Department of Commerce, Bureau of the Census.

U. S. IMPORTS

IMPORTS OF SHRIMP, VARIOUS YEARS, 1940-63

Country of Origin	1940	1950	1961	1962	1963
	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds
North America:					
Mexico	4,913	39,653	79,181	77,665	76,514
Republic of Panama	-	143	9,892	10,117	10,259
El Salvador	-	-	8,093	7,156	6,668
Guatemala	-	-	743	2,298	1,944
Nicaragua	-	-	803	1,971	1,610
Costa Rica	-	-	1,321	1,671	1,508
Honduras	-	-	227	379	835
Canada	22	89	249	161	416
British Honduras	-	-	1	30	7
Canal Zone	-	148	-	-	313
Other	-	25	80	190	374
Total	4,935	40,058	100,590	101,638	100,448
South America:					
Venezuela	-	-	2,469	6,341	5,790
Ecuador	-	-	4,684	5,121	5,630
British Guiana	-	-	3,506	4,129	5,510
French Guiana	-	-	-	-	2,788
Colombia	-	-	1,873	2,207	1,871
Surinam	-	-	447	1,036	1,206
Chile	-	-	537	629	348
Peru	-	-	358	387	368
Uruguay	-	-	-	150	-
Brazil	-	-	40	57	7
Argentina	-	-	20	9	-
Total	-	-	13,934	20,066	23,518
Europe:					
Spain	-	-	446	501	442
Denmark	(1)	-	112	85	60
Norway	2	69	71	62	58
Iceland	-	(1)	70	(1)	-
United Kingdom	-	(1)	59	(1)	-
Italy	-	3	30	-	-
Other	22	5	51	75	49
Total	24	77	839	723	609
Asia:					
India	-	-	3,220	5,616	9,948
Japan	55	58	1,823	3,922	4,084
Pakistan	-	-	1,686	3,156	3,688
Republic of Korea	-	-	171	1,755	2,153
Iran	-	-	1,953	724	87
Hong Kong	4	-	14	568	330
Thailand	-	-	35	250	886
Other	6	5	317	682	4,314
Total	65	63	9,219	16,673	25,490
Australia and Oceania	-	(1)	36	289	366
Africa, Egypt	-	-	1,650	1,794	1,099
Grand total	5,024	40,198	126,268	141,183	151,530

1/ Less than 500 pounds.

U. S. IMPORTS

IMPORTS OF SHRIMP BY PRODUCT TYPES, 1962-63

Item	1962 1/			1963 2/		
	January-June	July-December	Total	January-August	September-December	Total
	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds
Shell-on (headless)	49,089	59,539	108,628	62,703	49,014	111,717
Canned	(3)	(3)	(3)	2,816	1,304	4,120
Peeled, raw	4/11,161	4/13,537	4/24,698	20,281	9,179	29,460
Peeled, cooked	(4)	(4)	(4)	1,740	807	2,547
Breaded	190	231	421	357	127	484
Cured (dried)	(3)	(3)	(3)	191	88	279
Other	3/3,361	3/4,075	3/7,436	1,998	925	2,923
Total	63,801	77,382	141,183	90,086	61,444	151,530

1/ Imports of headless, peeled raw and cooked, and breaded shrimp for the January-June period were computed on basis of the quantities reported for the July-December period. 2/ Preliminary. Imports of peeled cooked, canned, and dried shrimp for the January-August period were computed on basis of the quantities reported for the September-December period. 3/ Imports of canned and dried shrimp have been included with other shrimp. 4/ Imports of peeled, cooked have been included with peeled, raw shrimp.
Source:--Department of Commerce, Bureau of the Census.

IMPORTS OF FISH MEAL AND SCRAP BY COUNTRY OF ORIGIN, VARIOUS YEARS, 1950-63

Country of origin	1950	1959	1960	1961	1962	1963
	Tons	Tons	Tons	Tons	Tons	Tons
Angola	6,503	20,738	888	1,543	-	-
Canada	42,499	39,033	30,982	38,218	42,806	50,925
Chile	377	5,104	21,183	12,074	9,247	24,249
Peru	3,917	49,923	68,156	151,439	186,249	291,544
Republic of South Africa	825	9,727	7,073	13,026	10,084	12,296
Other countries	9,734	8,400	3,279	1,545	3,921	4,093
Total	63,855	132,925	131,561	217,845	252,307	383,107

Source:--Department of Commerce, Bureau of the Census.

IMPORTS OF FISH SOLUBLES BY COUNTRY OF ORIGIN, 1958-63

Country of origin	1958	1959	1960	1961	1962	1963
	Tons	Tons	Tons	Tons	Tons	Tons
Canada	2,699	1,660	869	1,001	1,335	2,034
Denmark	9,943	18,723	1,858	28	110	-
Iceland	738	-	-	3,393	2,332	55
Republic of South Africa	1,063	2,303	402	1,416	1,717	411
Other countries	124	3,944	45	901	814	4,273
Total	14,567	26,630	3,174	6,739	6,308	6,773

Source:--Department of Commerce, Bureau of the Census.

U. S. IMPORTS

QUOTA AND IMPORTS OF CANNED TUNA, 1956-64

Year	Quota 1/	Imports		
		In brine		In oil
		Under Quota 2/	Over Quota 3/	
	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds
1956 4/	28,757	27,783	-	586
1957	44,529	42,524	-	1,068
1958	44,694	44,694	752	758
1959	52,373	52,373	2,931	830
1960	53,448	50,322	-	596
1961	57,115	56,210	-	431
1962	59,059	54,379	-	358
1963	63,131	5/56,679	-	223
1964	60,912	-	-	-

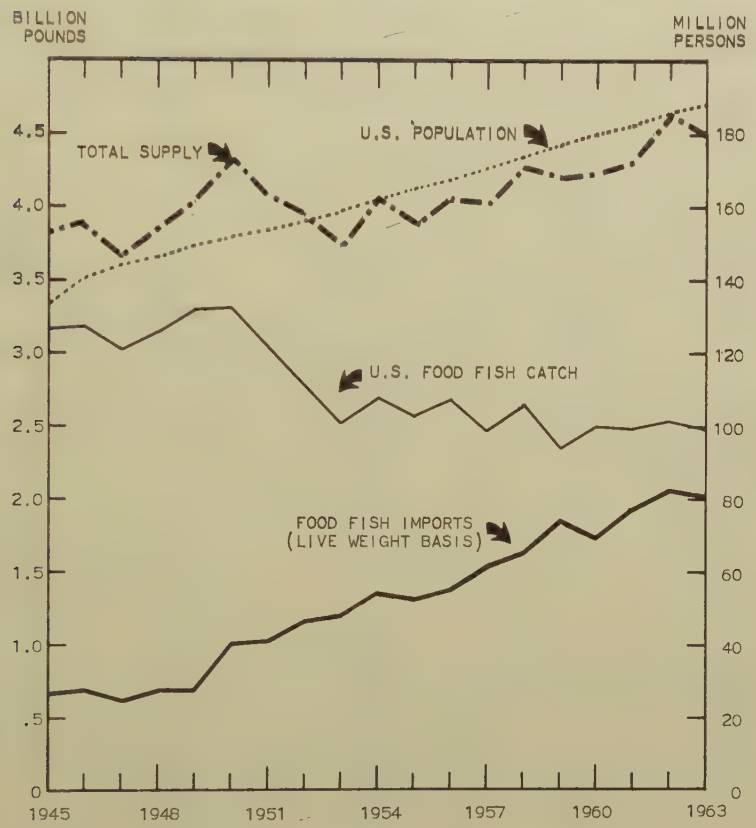
1/ Twenty percent of previous year's domestic pack excluding American Samoa.
2/ Dutiable at 12½ percent ad valorem.
3/ Dutiable at 25 percent ad valorem.
4/ From close of business on April 14 through December 31, 1956.
5/ Preliminary.
Source:--Bureau of Customs - Quota and imports in brine. (Bureau of Customs data on imports in brine will not agree with Bureau of the Census data appearing in other tables in this report).
Bureau of the Census - Imports in oil.

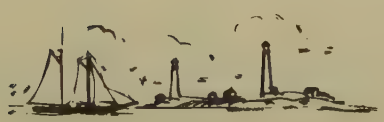
IMPORTS OF FISHERY PRODUCTS, 1950-63

Year	Edible		Nonedible	Total
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
1950	639,725	158,414	39,882	198,296
1951	646,668	158,363	54,094	212,457
1952	705,118	183,121	57,308	240,429
1953	726,195	195,869	49,611	245,480
1954	803,389	203,645	48,687	252,332
1955	771,012	208,051	49,896	257,947
1956	787,866	233,166	48,031	281,197
1957	884,024	250,956	46,487	297,443
1958	991,479	280,212	46,959	327,171
1959	1,113,624	311,033	55,467	366,500
1960	1,067,460	307,380	52,685	360,065
1961	1,061,662	335,757	61,301	397,058
1962	*1,222,837	*400,879	*74,363	*475,242
1963	(1)	(1)	(1)	(1)

1/ Not available.
* Record.

RELATIONSHIP OF U. S. POPULATION TO FOOD FISH CATCH AND IMPORTS, 1945-63





U. S. IMPORTS

U. S. IMPORTS OF FISHERY PRODUCTS, BY COUNTRY OF ORIGIN, 1962

(Thousands of pounds and thousands of dollars)

Country	Edible		Nonedible	Total
	Quantity	Value	Value	Value
North America:				
Greenland	7,399	1,695	-	1,695
Canada	405,636	108,913	7,244	116,157
Miquelon and St. Pierre Islands	1,516	356	22	378
Mexico	98,715	53,324	214	53,538
Guatemala	2,309	1,498	11	1,509
British Honduras	392	301	20	321
El Salvador	7,304	5,100	-	5,100
Honduras	572	430	43	473
Nicaragua	2,456	1,244	8	1,252
Costa Rica	1,788	967	2	969
Republic of Panama	10,181	7,845	39	7,884
Canal Zone	160	28	-	28
Bahamas	1,841	908	78	986
Cuba	97	97	1	98
Jamaica	302	110	22	132
Haiti	77	78	10	88
Dominican Republic	37	33	1	34
Leeward and Windward Islands	34	13	2	15
Trinidad and Tobago Islands	15,414	1,893	21	1,914
Netherlands Antilles	61	39	-	39
French West Indies	9	12	-	12
Total	556,300	184,884	7,738	192,622
South America:				
Colombia	2,208	1,597	576	2,173
Venezuela	11,717	5,214	28	5,242
British Guiana	4,129	3,582	60	3,642
Surinam	1,036	969	1	970
French Guiana	-	-	(1)	(1)
Ecuador	20,417	6,312	132	6,444
Peru	41,586	6,753	18,065	24,818
Bolivia	-	-	320	320
Chile	1,532	1,156	998	2,154
Brazil	4,754	4,653	2,171	6,824
Paraguay	-	-	29	29
Uruguay	215	92	56	148
Argentina	770	164	677	841
Total	88,364	30,492	23,113	53,605
Europe:				
Iceland	51,513	11,213	394	11,607
Sweden	1,458	509	1	510
Norway	60,237	17,713	1,224	18,937
Denmark	20,207	6,531	21	6,552
United Kingdom	5,578	1,333	1,187	2,520
Ireland	525	108	6	114
Netherlands	4,110	1,405	1,592	2,997
Belgium and Luxembourg	76	38	62	100
France	6,281	1,116	1,330	2,446
West Germany	9,919	2,154	2,356	4,510
Austria	-	-	922	922
Switzerland	-	-	99	99
Finland	5	1	-	1
Poland and Danzig	103	16	(1)	16
Union of Soviet Socialist Republics	43	169	-	169
Azores	1,660	523	-	523
Spain	8,046	2,092	236	2,328
Portugal	13,069	5,792	191	5,983
Gibraltar	2	1	-	1
Malta and Gozo	-	-	10	10
Italy	594	371	206	577
Yugoslavia	131	49	(1)	49
Greece	28	11	668	679
Rumania	1	16	-	16
Turkey	36	16	(1)	16
Total	183,622	51,177	10,505	61,682

See footnote at end of table.

(Continued on next page)

U. S. IMPORTS

U. S. IMPORTS OF FISHERY PRODUCTS, BY COUNTRY OF ORIGIN, 1962 - Continued

(Thousands of pounds and thousands of dollars)

Country	Edible		Nonedible	Total
	Quantity	Value	Value	Value
Asia:				
Syria	61	42	-	42
Lebanon	-	-	108	108
Iran	1,723	1,297	1	1,298
Israel	-	-	1	1
Jordan	-	-	(1)	(1)
Kuwait	415	223	-	223
Saudi Arabia	-	-	1	1
Arabia Peninsula States	-	-	1	1
Aden	-	-	20	20
State of Bahrain	51	40	-	40
Afghanistan	-	-	1	1
India	6,442	4,415	1,223	5,638
Pakistan	3,231	2,196	22	2,218
Burma	-	-	7	7
Thailand	253	192	47	239
Vietnam	132	88	-	88
Federation of Malaya	895	158	52	210
State of Singapore	4	1	63	64
Republic of Indonesia	22	3	6	9
Republic of the Philippines	233	53	416	469
Republic of Korea	1,846	1,022	147	1,169
Hong Kong	1,773	1,706	126	1,832
Taiwan	1,749	287	2	289
Japan	270,462	77,513	27,733	105,246
Nansei and Nanpo Islands	1,923	315	2	317
Total	291,215	89,551	29,979	119,530
Australia and Oceania:				
Australia	12,066	14,469	415	14,884
New Guinea	-	-	13	13
New Zealand	2,691	3,116	26	3,142
British Western Pacific Islands	17,762	3,142	(1)	3,142
French Pacific Islands	-	-	20	20
Trust Territories of the Pacific Islands	-	-	5	5
Total	32,519	20,727	479	21,206
Africa:				
Morocco	1,320	403	311	714
Tunisia	-	-	7	7
Libya	-	-	1	1
Egypt	1,800	1,165	4	1,169
Canary Islands	5,310	698	-	698
Spanish Africa	6	4	-	4
Federal Republic of Cameroon	6	1	4	5
Western Equatorial Africa	-	-	55	55
Western Africa	4,878	660	10	670
Ghana	157	15	3	18
Federation of Nigeria	-	-	277	277
British West Africa	16,930	2,177	1	2,178
Angola	1,722	554	-	554
Western Portuguese Africa	456	150	-	150
Republic of The Congo	12	3	1	4
Somali Republic	-	-	4	4
Ethopia	768	142	2	144
French Somaliland	-	-	3	3
British East Africa	30	28	102	130
Mozambique	94	92	-	92
Malagasy Republic	-	-	13	13
Republic of South Africa	37,328	17,956	1,730	19,686
Federation of Rhodesia and Nyasaland	-	-	21	21
Total	70,817	24,048	2,549	26,597
Grand total	1,222,837	400,879	74,363	475,242

1/ Less than $500.

Source:--Department of Commerce, Bureau of the Census.

U. S. EXPORTS

IMPORTANT DOMESTIC FISHERY EXPORTS, 1962-63

Item	1962	1963 1/	Record exports	
	Thousand pounds	Thousand pounds	Year	Thousand pounds
Canned:				
Mackerel	4,272	4,939	1957	17,044
Salmon	8,978	10,230	1943	69,486
Sardines:				
In oil	578	144	1943	137,203
Not in oil	7,188	3,493		
Shrimp	2,212	3,200	1960	3,482
Squid	7,785	8,049	1959	9,156
Fish oils, unclassified	123,050	262,342	1963	262,342

1/ Preliminary.

Source:--Department of Commerce, Bureau of the Census.

EXPORTS OF DOMESTIC FISHERY PRODUCTS, VARIOUS YEARS, 1940-63

Year	Edible		Nonedible	Total
	Thousand pounds	Thousand dollars	Thousand dollars	Thousand dollars
1940	144,804	17,115	670	17,785
1945	135,979	30,855	7,655	38,510
1950	121,623	18,856	8,618	27,474
1951	165,624	27,072	8,659	35,731
1952	62,056	15,511	6,436	21,947
1953	69,308	17,084	10,794	27,878
1954	62,724	16,238	15,289	31,527
1955	109,750	24,923	15,054	39,977
1956	101,918	22,939	16,564	39,503
1957	85,221	20,549	15,403	35,952
1958	65,468	19,440	11,564	31,004
1959	80,688	26,747	17,495	44,242
1960	61,454	25,622	18,543	44,165
1961	40,137	19,594	15,116	34,710
1962	56,530	22,470	13,258	35,728
1963 1/	64,743	30,379	26,211	56,590

1/ Preliminary.

U. S. EXPORTS

EXPORTS OF DOMESTIC AND FOREIGN SHRIMP PRODUCTS, 1959-63

Item	1959	1960	1961	1962	1963
	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds
Fresh and frozen:					
Domestic	2,090	2,989	4,771	3,457	8,078
Foreign	904	809	4,742	1,992	5,732
Total	2,994	3,798	9,513	5,449	13,810
Canned:					
Domestic	2,876	3,482	2,503	2,212	3,200
Foreign	19	34	25	44	33
Total	2,895	3,516	2,528	2,256	3,233
Cured:					
Domestic	85	108	103	72	80
Foreign	9	5	336	101	2
Total	94	113	439	173	82
Total:					
Domestic	5,051	6,579	7,377	5,741	11,358
Foreign	932	848	5,103	2,137	5,767
Grand total	5,983	7,427	12,480	7,878	17,125

Source:--Department of Commerce, Bureau of the Census.

EXPORTS OF DOMESTIC FISH AND FISH LIVER OILS, 1959-63

Country of destination	1959	1960	1961	1962	1963
	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds
Belgium	4,333	685	1,354	3,329	18
Canada	3,840	9,846	16,935	10,555	8,178
Denmark	1,153	20	-	-	-
Netherlands	44,116	53,133	25,587	34,054	25,846
Norway	16,109	15,914	31,277	10,020	23,744
Sweden	40,711	36,026	20,641	13,446	73,199
United Kingdom	10	1,136	8,908	32,975	86,708
West Germany	33,177	26,083	15,591	16,920	39,455
Other countries	1,032	816	2,193	1,751	5,194
Total	144,481	143,659	122,486	123,050	262,342

Source:--Department of Commerce, Bureau of the Census.

EXPORTS OF DOMESTIC SARDINES, 1959-63

Country of destination	1959	1960	1961	1962	1963
	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds
Belgium	721	316	142	-	-
Canada	542	-	131	292	-
Cuba	3,046	704	-	-	-
Ecuador	1,118	1,623	436	220	16
Ghana	68	220	36	1,141	46
Greece	-	3	-	-	23
Hong Kong	307	387	190	90	18
Federation of Maylaya	22	95	370	234	-
New Zealand	2,424	1,420	188	61	-
Philippines	25,724	12,446	1,974	21	12
Republic of the Congo	-	-	-	1,944	465
United Kingdom	20	31	-	-	30
Other countries	4,732	3,974	4,193	3,763	3,027
Total	38,724	21,219	7,660	7,766	3,637

Source:--Department of Commerce, Bureau of the Census.

U. S. EXPORTS

U. S. EXPORTS OF DOMESTIC FISHERY PRODUCTS, BY COUNTRY OF DESTINATION, 1962

(Thousands of pounds and thousands of dollars)

Country	Edible		Nonedible	Total
	Quantity	Value	Value	Value
North America:				
Canada	18,703	6,455	2,391	8,846
Miquelon Islands	1	1	-	1
Mexico	169	95	279	374
Guatemala	457	101	11	112
El Salvador	979	204	3	207
Honduras	69	18	1	19
Nicaragua	508	100	-	100
Costa Rica	610	129	2	131
Republic of Panama	470	132	-	132
Canal Zone	45	20	1	21
Bermuda	287	140	17	157
Bahamas	337	125	6	131
Jamaica	850	232	14	246
Haiti	6	2	-	2
Dominican Republic	305	85	14	99
Leeward and Windward Islands	40	18	(1)	18
Barbados	9	10	1	11
Trinidad and Tobago Islands	63	48	13	61
Netherlands Antilles	304	188	(1)	188
French West Indies	1	1	-	1
Total	24,213	8,104	2,753	10,857
South America:				
Colombia	13	5	17	22
Venezuela	401	254	20	274
British Guiana	18	11	-	11
Surinam	285	67	5	72
Ecuador	958	168	3	171
Peru	41	21	1	22
Bolivia	10	9	-	9
Chile	48	23	8	31
Brazil	9	6	43	49
Uruguay	7	4	1	5
Argentina	6	3	37	40
Total	1,796	571	135	706
Europe:				
Sweden	400	396	680	1,076
Norway	25	17	386	403
Denmark	277	315	22	337
United Kingdom	7,699	6,601	1,648	8,249
Ireland	2	1	-	1
Netherlands	701	473	1,800	2,273
Belgium and Luxembourg	543	280	266	546
France	1,013	674	400	1,074
West Germany	395	308	1,159	1,467
Austria	2	2	6	8
Switzerland	183	200	1,512	1,712
Finland	-	-	2	2
Spain	20	18	173	191
Portugal	10	6	1	7
Gibraltar	1	1	-	1
Malta and Gozo	25	3	-	3
Italy	1,397	174	694	868
Yugoslavia	2	1	1	2
Greece	4,778	485	2	487
Turkey	-	-	90	90
Cyprus	25	3	-	3
Total	17,498	9,958	8,842	18,800

See footnote at end of table.

(Continued on next page)

U. S. EXPORTS

U. S. EXPORTS OF DOMESTIC FISHERY PRODUCTS, BY COUNTRY OF DESTINATION, 1962 - Continued

(Thousands of pounds and thousands of dollars)

Country	Edible		Nonedible	Total
	Quantity	Value	Value	Value
Asia:				
Syria	4	2	-	2
Lebanon	38	35	-	35
Iraq	15	13	-	13
Iran	31	16	7	23
Israel	8	3	2	5
Jordan	1	(1)	6	6
Kuwait	11	8	-	8
Saudi Arabia	29	29	-	29
Arabia Peninsula States	3	3	-	3
Aden	1	1	-	1
State of Bahrein	10	7	-	7
India	3	2	-	2
Pakistan	32	12	1	13
Burma	3	2	(1)	2
Thailand	42	14	3	17
Viet-Nam	74	49	9	58
Cambodia	-	-	2	2
Federation of Malaya	422	154	-	154
State of Singapore	325	213	-	213
Republic of Indonesia	14	8	2	10
Republic of the Philippines	2,863	318	85	403
Republic of Korea	6	5	3	8
Hong Kong	701	380	10	390
Japan	1,058	939	1,254	2,193
Nansei and Nanpo Islands	25	21	-	21
Total	5,719	2,234	1,384	3,618
Australia and Oceania:				
Australia	315	183	28	211
New Guinea	(1)	(1)	-	(1)
New Zealand	797	104	18	122
British Western and Pacific Islands	23	5	-	5
French Pacific Islands	425	81	-	81
Trust Territories of the Pacific Islands	61	10	1	11
Total	1,621	383	47	430
Africa:				
Morocco	1	1	-	1
Libya	7	8	(1)	8
United Arab Republic	6	3	-	3
Sudan	2	1	-	1
Canary Islands	11	5	67	72
Western Africa	4	2	-	2
Ghana	1,336	193	1	194
Federation of Nigeria	(1)	(1)	(1)	(1)
Liberia	169	82	1	83
Republic of the Congo	3,449	733	4	737
Ethiopia	3	3	-	3
French Somaliland	1	(1)	-	(1)
Mauritius and Dependencies	3	2	-	2
British East Africa	3	2	-	2
Mozambique	11	8	-	8
Republic of South Africa	638	144	24	168
Federation of Rhodesia and Nyasaland	39	33	-	33
Total	5,683	1,220	97	1,317
Grand Total	56,530	22,470	13,258	35,728

1/ Less than 500 pounds or $500.

Source:--Department of Commerce, Bureau of the Census.

U. S. CUSTOMS DUTIES

IMPORTS: VALUE, DUTIES COLLECTED, AND AD VALOREM EQUIVALENT, 1936-62

Year	Value		Duties collected		Average ad valorem equivalent	
	Fishery imports	All imports	Fishery imports	All imports	Fishery imports	All imports
	Thousand dollars	Thousand dollars	Thousand dollars	Thousand dollars	Percent	Percent
1936	41,873	2,423,977	6,545	400,558	15.6	16.5
1937	50,636	3,009,852	8,254	465,253	16.3	15.5
1938	39,307	1,949,624	5,701	293,070	14.5	15.0
1939	45,999	2,276,099	6,015	316,372	13.1	13.9
1940	41,830	2,540,656	4,772	305,609	11.4	12.0
1941	40,981	3,221,954	3,888	413,846	9.5	12.8
1942	39,568	2,780,317	2,714	323,409	6.9	11.6
1943	67,183	3,390,101	3,523	395,030	5.2	11.7
1944	78,418	3,887,490	4,386	382,109	5.6	9.8
1945	101,254	4,098,101	6,979	391,476	6.9	9.6
1946	129,713	4,824,902	8,047	498,001	6.2	10.3
1947	109,975	5,666,321	6,895	445,355	6.3	7.9
1948	156,648	7,092,032	8,694	417,401	5.6	5.9
1949	151,614	6,591,640	7,560	374,291	5.0	5.7
1950	198,296	8,743,082	12,484	529,621	6.3	6.1
1951	212,457	10,817,341	10,346	603,468	4.9	5.6
1952	240,429	10,747,497	11,982	574,733	5.0	5.3
1953	245,480	10,778,905	14,026	597,760	5.7	5.5
1954	252,322	10,239,517	14,405	556,936	5.7	5.4
1955	257,947	11,336,787	14,530	669,579	5.6	5.9
1956	281,197	12,515,747	15,504	739,228	5.5	5.9
1957	297,443	12,950,606	15,955	776,884	5.4	6.0
1958	327,171	12,734,477	16,645	832,155	5.1	6.5
1959	366,500	14,987,075	17,737	1,066,536	4.8	7.1
1960	360,065	14,650,335	15,857	1,083,757	4.4	7.4
1961	397,058	14,357,321	16,904	1,056,670	4.3	7.4
1962	475,248	16,241,348	17,910	1,219,708	3.8	7.5

CUSTOMS RECEIPTS FROM IMPORTS OF AQUATIC PRODUCTS
BY COMMODITY DESCRIPTIONS, 1962

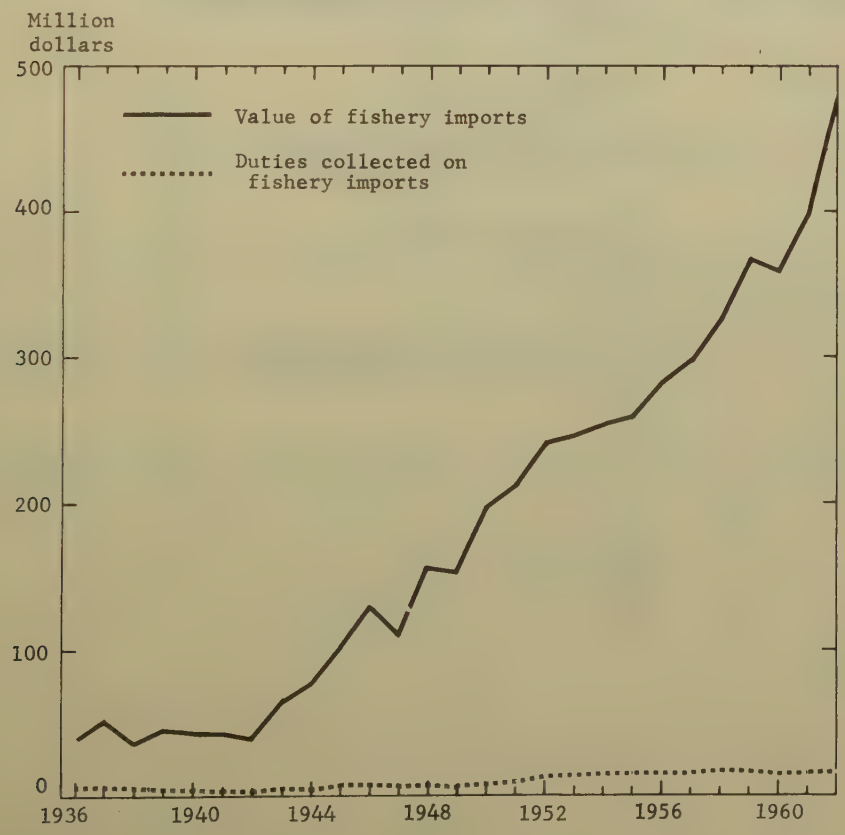
Item	Value
Canned products:	
Anchovies, in oil	$365,424
Bonito and yellowtail, in oil	251,311
Crab meat	1,057,118
Salmon	515,389
Sardines:	
In oil	2,199,542
Not in oil 1/	367,413
Total	2,566,955
Tuna:	
In oil	57,388
Not in oil	2,840,554
Total	2,897,942
Groundfish fillets	1,920,692
Fresh-water fish, fresh or frozen, whole, dressed, or fillets	246,065
Pickled or salted	314,267
Marine animal and liver oils	203,737
Sponges	66,968
Buttons - pearl or shell	161,329
Pearls	872,096
Agar-agar	144,752
Other	6,326,275
Total	17,910,320

1/ Includes herring.
Note:--Important free items: frozen tuna, shrimp, fish meal, and lobsters.

CUSTOMS RECEIPTS FROM AQUATIC PRODUCTS, 1962

Tariff paragraph	Item	Value
5	Alginate	$299,483
23	Medicinal preparations	83,856
34	Fish liver oils	41,185
41	Glue, isinglass, and agar-agar	165,211
52	Fish oils, not containing alcohol	162,552
60	Ambergris	1,041
66	Pearl essence	31,081
717	Fish, fresh or frozen, dried and unsalted	3,617,157
718	Fish and fish products in oil or not in oil, and other substances (canned)	6,909,640
719	Pickled or salted fish	314,267
720	Smoked or kippered fish, prepared or preserved	1,646,799
721	Fish paste, fish sauce, caviar and miscellaneous shellfish items	1,990,106
730	Dog and cat food	4,888
1509	Pearl shell buttons	161,329
1519	Sealskins	51,963
1528	Pears and parts	872,096
1530	Reptilian, shark skin and walrus leather (raw)	340,952
1531	Reptile leather products (manufactured)	937,321
1538	Shells	45,118
1540	Seaweed	17,752
1545	Sponges, n. e. s.	66,968
1558	Frog legs	149,555
	Total	17,910,320

VALUE OF FISHERY IMPORTS AND DUTIES COLLECTED, 1936-62



FISHERY LOAN PROGRAM

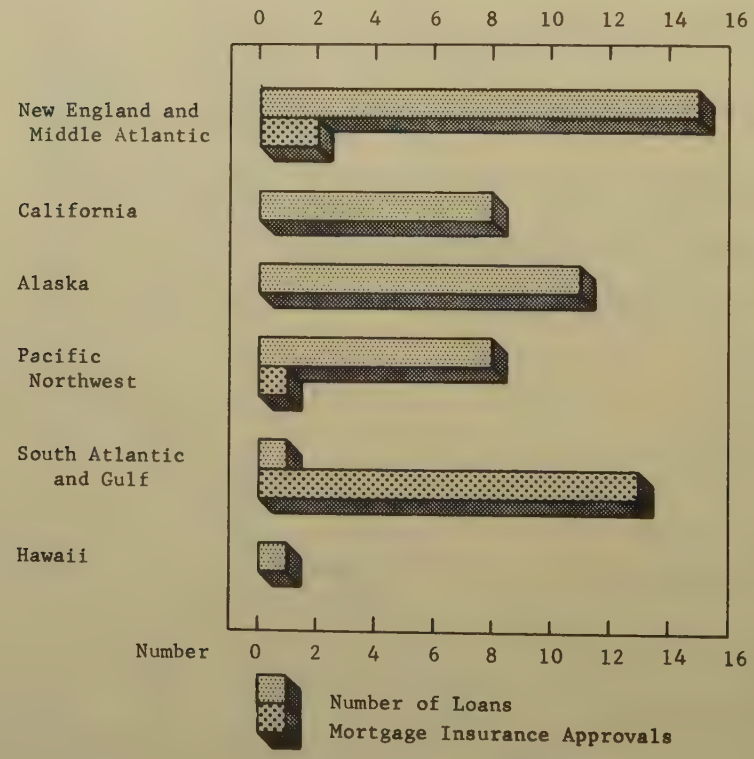
The Fish and Wildlife Act of 1956 authorized a fishery loan program which was started in October 1956. The first loans were approved in late December of that year. Since that time through December 31, 1963, 1,341 applications for $36 million have been received. Of these, 689 ($15.7 million) have been approved.

These loans can be made only for the financing and refinancing of operations, maintenance, repairs, replacement, and equipment of fishing vessels and fishing gear, and for research into the basic problems of the fisheries in cases where the credit applied for is not available elsewhere on reasonable terms.

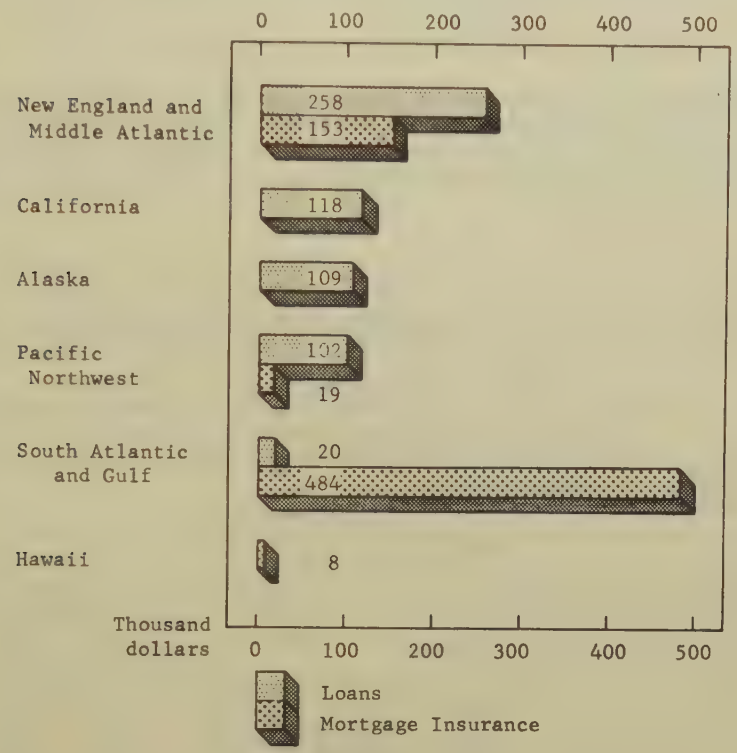
The Fishing Vessel Mortgage Insurance Program provides for insurance by the Department of the Interior of mortgages to finance the construction, reconstruction, or reconditioning of fishing vessels.

The charts that follow show the number and value of loans and mortgage insurance applications which were approved during the calendar year 1963 by areas. A total of 44 loan applications for $614,591 and 16 mortgage insurance applications for $656,440 was approved.

NUMBER OF LOANS AND MORTGAGE INSURANCE APPROVALS BY AREAS, 1963



VALUE OF APPLICATIONS APPROVED BY AREAS, 1963



OTHER FINANCIAL ASSISTANCE PROGRAMS

The Fishing Vessel Construction-Differential Subsidy Program was set up to pay a part of the difference in the cost of construction between domestic and foreign shipyards for vessels to be operated in a fishery which has been found to be suffering injury or threat of injury by reason of increased imports. It expired June 12, 1963, but six pending applications for $560,616 were being processed at the end of 1963. Only six applications for $549,198 had been approved by December 31, 1963.

By comparison with other countries, this aid has been insignificant. For example, the Canadian Maritime Commission, in a press release on February 15, 1963, listed 22 vessels under construction or planned for construction on which the subsidy agreed upon amounted to approximately $3,575,000.

The Bureau of Commercial Fisheries receives numerous requests for data on lengths of coastline and tidal shoreline of the United States. Graphic measurements have been made from time to time by the U.S. Coast and Geodetic Survey on maps of various scales and in units of various lengths. The three types of measurement are explained in the following paragraphs.

GENERAL COASTLINE.--The figures under this heading are lengths of the general outline of the seacoast. The measurements were made with a unit measure of 30 minutes of latitude on charts as near the scale of 1:1,200,000 as possible. The shoreline of bays and sounds is included to a point where such waters narrow to the width of the unit measure, and the distance across at such point is included.

TIDAL SHORELINE, GENERAL.--Measurements under this heading were made with a unit measure of 3 statute miles on charts of 1:200,000 and 1:400,000 scale when available. The shoreline of bays, sounds, and other bodies of water is included to a point where such waters narrow to a width of 3 statute miles, and the distance across at such point is included.

TIDAL SHORELINE, DETAILED.--The figures under this heading were obtained in 1939-40 with a recording measure on the largest scale maps and charts then available. Shoreline of bays, sounds, and other bodies of water is included to the head of tidewater, or to a point where such waters narrow to a width of 100 feet.

LENGTH OF COASTLINE

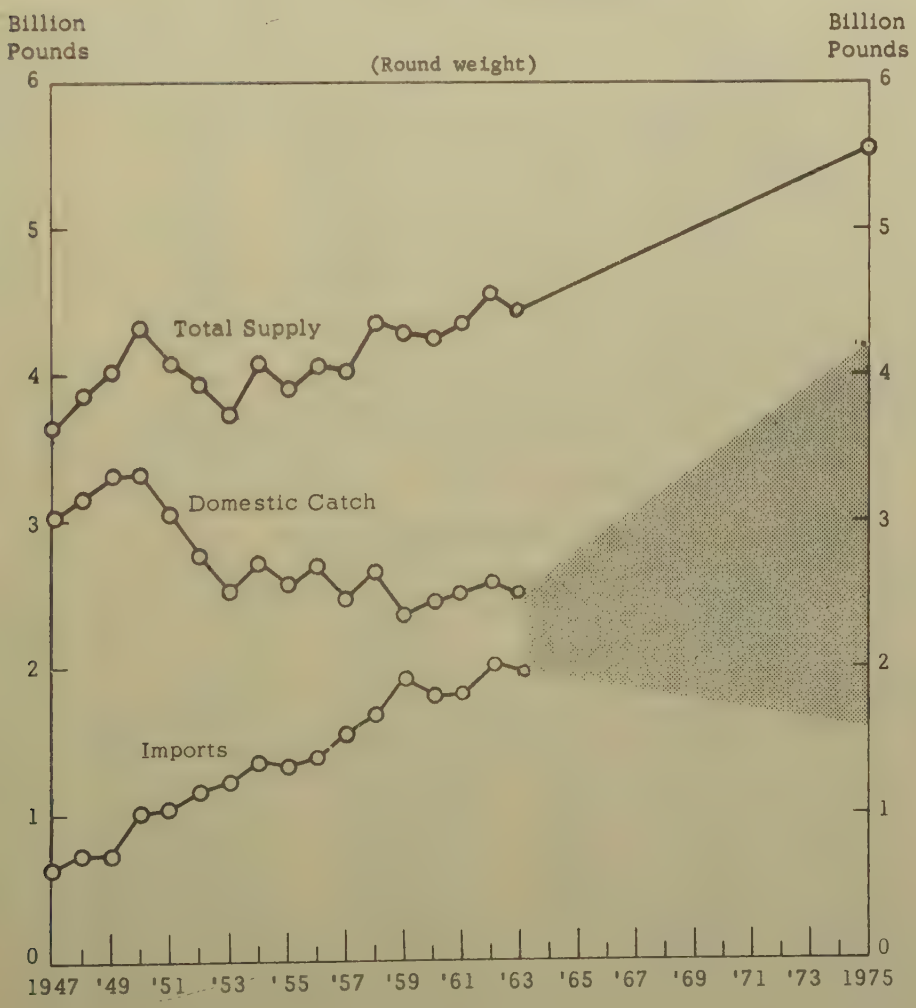
LOCALITY	LENGTHS IN STATUTE MILES			LOCALITY	LENGTHS IN STATUTE MILES		
	GENERAL COASTLINE	TIDAL SHORELINE, GENERAL	TIDAL SHORELINE, DETAILED		GENERAL COASTLINE	TIDAL SHORELINE, GENERAL	TIDAL SHORELINE, DETAILED
NEW ENGLAND:				GULF:			
MAINE	228	676	3,478	FLORIDA, WEST COAST	798	1,658	5,391
NEW HAMPSHIRE	13	14	131	ALABAMA	53	199	607
MASSACHUSETTS	192	453	1,519	MISSISSIPPI	44	155	359
RHODE ISLAND	40	156	384	LOUISIANA	397	985	7,721
CONNECTICUT	-	96	618	TEXAS	367	1,100	3,359
TOTAL NEW ENGLAND	473	1,395	6,130	TOTAL GULF COAST	1,659	4,097	17,437
MIDDLE ATLANTIC:				PACIFIC:			
NEW YORK	127	470	1,850	ALASKA	6,640	15,132	33,904
NEW JERSEY	130	398	1,792	WASHINGTON	157	908	3,026
PENNSYLVANIA	-	-	89	OREGON	296	312	1,410
DELAWARE	28	79	381	CALIFORNIA	840	1,190	3,427
TOTAL MIDDLE ATLANTIC	285	947	4,112	TOTAL PACIFIC COAST	7,933	17,542	41,767
				HAWAII	775	900	1,092
CHESAPEAKE:				TOTAL UNITED STATES	12,225	28,909	88,673
MARYLAND	31	452	3,190				
VIRGINIA	112	567	3,315	U.S. TERRITORIES, POSSESSIONS, ETC.:			
TOTAL CHESAPEAKE	143	1,019	6,505	BAKER ISLAND	3	3	3
				CHRISTMAS ISLAND	80	90	188
SOUTH ATLANTIC:				GUAM ISLANDS	78	84	110
NORTH CAROLINA	301	1,030	3,375	HOWLAND ISLAND	4	4	4
SOUTH CAROLINA	187	758	2,876	JARVIS ISLAND	5	5	5
GEORGIA	100	603	2,344	JOHNSTON ISLAND	3	3	3
FLORIDA, EAST COAST	399	618	3,035	NAVASSA ISLAND	5	5	5
TOTAL SOUTH ATLANTIC	987	3,009	11,630	PALMYRA ISLAND	9	9	16
				PANAMA CANAL ZONE	20	20	126
				PUERTO RICO	311	362	700
				SAMOA ISLANDS	76	91	126
				SWAN ISLANDS	6	6	6
TOTAL ATLANTIC COAST	1,888	6,370	28,377	VIRGIN ISLANDS	117	126	175
				WAKE ISLAND	12	12	20

SOURCE:--U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

The tables in this section contain information on the domestic catch and imports and, in cases where they are significant, exports of the more important fishery products. Stocks have not been considered in determining the total supply, so supply cannot be considered synonymous with consumption.

The graph, entitled "U. S. Supply of Edible Fishery Products, 1947-63, and Estimated Requirements, 1964-75" was prepared by assuming that the average total supply for the period 1957-63 could be projected through 1975, on the basis of the expected increase in population. The population in 1963 was estimated to be 188,616,000 and 226,000,000 in 1975. The 1975 population estimate is an average of several estimates made by the Bureau of the Census in Current Population Reports, "Projections of the Population of the United States, by Age and Sex to 1985" Series P-25, No. 279.

United States Supply of Edible Fishery Products, 1947-63 and Estimated Requirements, 1963-75



SUPPLIES OF CERTAIN FISHERY PRODUCTS

SUPPLY OF FISHERY PRODUCTS, 1953-63

(Round weight basis)

Year	Domestic catch		Imports 1/		Total
	Million pounds	Percent	Million pounds	Percent	Million pounds
1953	4,487	64.0	2,528	36.0	7,015
1954	4,762	62.7	2,829	37.3	7,591
1955	4,809	67.6	2,303	32.4	7,112
1956	5,268	69.7	2,287	30.3	7,555
1957	4,789	67.0	2,359	33.0	7,148
1958	4,747	63.3	2,750	36.7	7,497
1959	5,122	60.7	3,310	39.3	8,432
1960	4,942	60.3	3,253	39.7	8,195
1961	5,187	54.3	4,357	45.7	9,544
1962	*5,354	51.6	5,021	48.4	10,375
1963 2/	4,750	42.3	*6,480	57.7	*11,230

1/ Excludes imports of cured cod into Puerto Rico. 2/ Preliminary. *Record.

SUPPLY OF EDIBLE FISHERY PRODUCTS, 1953-63

(Round weight basis)

Year	Domestic catch		Imports 1/		Total
	Million pounds	Percent	Million pounds	Percent	Million pounds
1953	2,519	67.5	1,213	32.5	3,732
1954	*2,705	66.4	1,369	33.6	4,074
1955	2,579	66.1	1,323	33.9	3,902
1956	2,690	66.0	1,387	34.0	4,077
1957	2,475	61.6	1,541	38.4	4,016
1958	2,651	61.9	1,634	38.1	4,285
1959	2,369	55.8	1,873	44.2	4,242
1960	2,498	59.0	1,738	41.0	4,236
1961	2,490	57.8	1,819	42.2	4,309
1962	2,540	55.0	*2,082	45.0	*4,622
1963 2/	2,489	55.1	2,025	44.9	4,514

1/ Excludes imports of cured cod into Puerto Rico. 2/ Preliminary. *Record.

SUPPLY OF INDUSTRIAL FISHERY PRODUCTS, 1953-63

(Round weight basis)

Year	Domestic catch		Imports		Total
	Million pounds	Percent	Million pounds	Percent	Million pounds
1953	1,968	60.0	1,315	40.0	3,283
1954	2,057	58.5	1,460	41.5	3,517
1955	2,230	69.5	980	30.5	3,210
1956	2,578	74.1	900	25.9	3,478
1957	2,314	73.9	818	26.1	3,132
1958	2,096	65.3	1,116	34.7	3,212
1959	2,753	65.7	1,437	34.3	4,190
1960	2,444	61.7	1,515	38.3	3,959
1961	2,697	51.5	2,538	48.5	5,235
1962	*2,814	48.9	2,939	51.1	5,753
1963 1/	2,261	33.7	*4,455	66.3	*6,716

1/ Preliminary. *Record.

Note:--Data on imports for the years 1957 to 1962 have been revised to reflect approximately a 17 percent recovery for anchovy meal imported from Peru and Chile instead of the 20 percent formerly used.

SUPPLY OF GROUNDFISH AND ATLANTIC OCEAN PERCH FILLETS, 1953-63

Year	U.S. production 1/		Imports 2/		Total
	Thousand pounds	Percent	Thousand pounds	Percent	Thousand pounds
1953	112,280	55.6	89,706	44.4	201,986
1954	122,391	47.1	137,548	52.9	259,939
1955	105,157	45.0	128,312	55.0	233,469
1956	107,138	44.2	135,295	55.8	242,433
1957	96,650	40.7	140,678	59.3	237,328
1958	99,074	40.3	146,589	59.7	245,663
1959	91,133	33.0	184,837	67.0	275,970
1960	93,818	37.6	155,550	62.4	249,368
1961	93,039	32.3	195,099	67.7	288,138
1962	93,548	29.7	221,420	70.3	314,968
1963 3/	83,329	26.4	*231,728	73.6	*315,057

1/ Record production, 1951 (148,786,000 pounds). 2/ Includes imports of frozen blocks of groundfish. 3/ Preliminary. * Record.

SUPPLY OF FILLETS, STEAKS, ETC., OTHER THAN GROUNDFISH AND ATLANTIC OCEAN PERCH, 1953-63

Year	U.S. production		Imports		Total
	Thousand pounds	Percent	Thousand pounds	Percent	Thousand pounds
1953	48,132	48.4	51,344	51.6	99,476
1954	51,251	51.6	47,911	48.4	99,162
1955	51,922	48.4	55,223	51.6	107,145
1956	55,661	48.0	60,274	52.0	115,935
1957	57,815	47.7	63,300	52.3	121,115
1958	56,801	47.5	62,688	52.5	119,489
1959	56,104	46.4	64,802	53.6	120,906
1960	59,348	49.0	61,713	51.0	121,061
1961	65,073	49.2	67,167	50.8	132,240
1962	76,361	50.0	*76,443	50.0	*152,804
1963 1/	*80,075	53.9	68,488	46.1	148,563

1/ Preliminary. * Record.

SUPPLY OF CANNED SALMON, 1953-63

Year	U. S. pack 1/	Percent of total supply	Imports	Percent of total supply	Total supply	Exports	Total available for U. S. consumption
	Thousand pounds	Percent	Thousand pounds	Percent	Thousand pounds	Thousand pounds	Thousand pounds
1953	187,769	93.9	12,165	6.1	199,934	2,277	197,657
1954	199,810	94.6	11,371	5.4	211,181	7,227	203,954
1955	157,855	91.4	14,644	8.6	172,499	10,429	162,070
1956	168,250	85.4	28,802	14.6	197,052	5,213	191,839
1957	153,917	86.3	24,401	13.7	178,318	6,688	171,630
1958	179,134	86 0	29,226	14.0	208,360	9,227	199,133
1959	118,330	79.2	31,154	20.8	149,484	13,826	135,658
1960	136,049	87.7	19,113	12.3	155,162	11,924	143,238
1961	177,443	96.1	7,167	3.9	184,610	7,186	177,424
1962	182,435	96.4	6,843	3.6	189,278	8,978	180,300
1963 2/	157,900	99.2	1,250	.8	159,150	10,230	148,920

1/ Record pack, 1936 (430,328,496 pounds). 2/ Preliminary.

SUPPLY OF CANNED TUNA, VARIOUS YEARS, 1940-63

(Canned weight)

Year	U.S. pack from domestic catch		U.S. pack from imported fresh and frozen tuna 1/		Total	Imported canned		Total supply
	Thousand pounds	Percent	Thousand pounds	Percent	Thousand pounds	Thousand pounds	Percent	Thousand pounds
1940. . . .	80,389	89.8	1,455	1.6	81,844	2/ 7,678	8.6	89,522
1947. . . .	107,446	93.7	1,060	.9	108,506	2/ 6,148	5.4	114,654
1948. . . .	129,554	92.2	2,603	1.9	132,157	2/ 8,302	5.9	140,459
1949. . . .	134,032	93.6	4,613	3.2	138,645	4,584	3.2	143,229
1950. . . .	152,693	72.6	20,769	9.9	173,462	36,791	17.5	210,253
1951. . . .	125,816	74.7	29,549	17.6	155,365	12,971	7.7	168,336
1952. . . .	140,200	70.6	34,951	17.6	175,151	23,321	11.8	198,472
1953. . . .	135,908	61.8	49,570	22.5	185,478	34,592	15.7	220,070
1954. . . .	148,861	60.9	64,147	26.2	213,008	31,589	12.9	244,597
1955. . . .	113,647	49.0	82,765	35.7	196,412	35,563	15.3	231,975
1956. . . .	152,701	57.0	76,744	28.7	229,445	38,215	14.3	267,660
1957. . . .	140,196	50.6	92,260	33.3	232,456	44,386	16.1	276,842
1958. . . .	149,810	46.3	127,321	39.4	277,131	46,204	14.3	323,335
1959. . . .	132,159	39.1	150,033	44.3	282,192	56,134	16.6	338,326
1960. . . .	149,325	42.3	152,063	43.1	301,388	51,755	14.6	353,143
1961. . . .	*174,144	47.2	136,468	36.9	310,612	*58,663	15.9	369,275
1962. . . .	155,555	39.6	*179,951	45.9	*335,506	56,719	14.5	*392,225
1963 3/ . .	168,474	43.8	158,238	41.2	326,712	57,492	15.0	384,204

1/ Includes tuna canned in American Samoa.
2/ Includes bonito and yellowtail.
3/ Preliminary. * Record.

SUPPLY OF CANNED BONITO AND YELLOWTAIL, VARIOUS YEARS, 1940-63

Year	U. S. pack		Imports				Total supply
			In oil	In brine	Total		
	Thousand pounds	Percent	Thousand pounds	Thousand pounds	Thousand pounds	Percent	Thousand pounds
1940. . . .	4,049	(1)	(2)	(2)	(2)	(1)	(1)
1949. . . .	3,056	27.5	3/ 8,054	(3)	8,054	72.5	11,110
1950. . . .	1,332	14.1	3/ 8,135	(3)	8,135	85.9	9,467
1951. . . .	1,961	15.8	3/10,437	(3)	10,437	84.2	12,398
1952. . . .	4,266	23.6	3/13,812	(3)	13,812	76.4	18,078
1953. . . .	3,226	24.0	3/10,242	(3)	10,242	76.0	13,468
1954. . . .	1,446	8.6	12,996	2,375	15,371	91.4	16,817
1955. . . .	88	.6	11,725	3,589	15,314	99.4	15,402
1956. . . .	125	.9	10,409	3,210	13,619	99.1	13,744
1957. . . .	220	1.4	11,608	3,905	15,513	98.6	15,733
1958. . . .	2,107	14.4	9,759	2,732	12,491	85.6	14,598
1959. . . .	1,071	7.3	9,675	3,848	13,523	92.7	14,594
1960. . . .	276	2.7	7,109	2,795	9,904	97.3	10,180
1961. . . .	3,023	22.6	6,853	3,503	10,356	77.4	13,379
1962. . . .	610	6.5	6,127	2,600	8,727	93.5	9,337
1963 4/ . .	1,387	19.1	3,480	2,385	5,865	80.9	7,252

1/ Data not available. 2/ Prior to 1948 imports of bonito and yellowtail were included with those of tuna. 3/ Data on the pack in brine have been included with the pack in oil.
4/ Preliminary.

CATCH AND IMPORTS OF TUNA, 1953-63

Year	U. S. catch 1/	Imports		
		Fresh & frozen including cooked loins and discs (round weight) 2/	Canned	
			In oil	In brine
	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds
1953	302,804	96,120	4,712	29,880
1954	322,696	125,992	1,111	30,478
1955	270,366	154,668	818	34,745
1956	329,482	138,936	586	37,629
1957	296,735	172,697	1,068	43,318
1958	319,377	233,873	758	45,446
1959	285,909	284,115	830	55,304
1960	298,203	267,139	596	51,159
1961	325,804	242,687	431	58,232
1962	312,157	322,801	358	56,361
1963 3/	319,840	274,537	223	57,269

1/ Does not include Hawaii prior to 1959 or Puerto Rico for any of the years. 2/ Does not include landings of foreign-caught fish in American Samoa. 3/ Preliminary.

SUPPLY OF CANNED SARDINES, 1953-63

Year	U. S. production		Imports 1/		Exports		Total supply available for U. S. consumption
	Maine	Pacific	In oil	Not in oil	In oil	Not in oil	
	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds
1953	65,110	2,862	23,094	34,271	773	9,184	115,380
1954	68,677	60,215	22,294	22,957	816	16,441	156,886
1955	29,691	63,657	20,930	9,886	1,179	45,431	77,554
1956	52,216	33,963	18,581	10,460	229	39,445	75,546
1957	51,894	22,399	20,127	14,396	379	14,922	93,515
1958	49,139	100,016	18,001	21,172	645	17,816	169,867
1959	41,024	33,956	21,153	11,603	1,271	37,453	69,012
1960	46,744	27,714	21,236	16,732	264	20,955	91,207
1961	17,635	18,859	27,877	25,702	185	7,475	82,413
1962	50,248	6,168	32,603	32,476	578	7,188	113,729
1963 2/	38,314	2,568	19,908	29,991	144	3,493	87,144

1/ Includes sea herring. 2/ Preliminary.

SUPPLY OF CANNED SARDINES OBTAINED FROM DOMESTIC PACK AND IMPORTS, 1953-63

Year	U. S. pack 1/	Percent of total supply	Imports 2/	Percent of total supply	Total supply
	Thousand pounds	Percent	Thousand pounds	Percent	Thousand pounds
1953	67,972	54.2	57,365	45.8	125,337
1954	128,892	74.0	45,251	26.0	174,143
1955	93,348	75.2	30,816	24.8	124,164
1956	86,179	74.8	29,041	25.2	115,220
1957	74,293	68.3	34,523	31.7	108,816
1958	149,155	79.2	39,173	20.8	188,328
1959	74,980	69.6	32,756	30.4	107,736
1960	74,458	66.2	37,968	33.8	112,426
1961	36,494	40.5	53,579	59.5	90,073
1962	56,146	46.4	65,079	53.6	121,495
1963 3/	40,882	45.0	49,899	55.0	90,781

1/ Includes the pack of Maine and Pacific sardines. 2/ Includes sea herring. 3/ Preliminary.

SUPPLY OF FRESH AND FROZEN SPINY LOBSTERS, 1953-63

Year	U. S. catch 1/	Imports 2/
	Thousand pounds	Thousand pounds
1953	2,745	19,942
1954	2,849	19,760
1955	3,154	22,479
1956	3,849	25,258
1957	*4,687	28,236
1958	3,588	25,938
1959	3,698	28,092
1960	3,210	32,346
1961	3,235	32,610
1962	3,664	*35,947
1963 3/	4,200	34,049

1/ Round weight. 2/ Imported weight, consisting largely of tails. 3/ Preliminary. * Record.

SUPPLY OF FRESH AND FROZEN NORTHERN LOBSTERS, 1953-63

Year	U. S. catch				Imports		Total supply
	Maine	Other States	Total	Percent of total	Total 1/	Percent of total	
	Thousand pounds	Thousand pounds	Thousand pounds	Percent	Thousand pounds	Percent	Thousand pounds
1953	22,300	5,815	28,115	55	22,610	45	50,725
1954	21,668	5,813	27,481	55	22,468	45	49,949
1955	22,718	6,236	28,954	56	22,962	44	51,916
1956	20,572	5,948	26,520	54	22,484	46	49,004
1957	24,403	5,752	30,155	58	22,218	42	52,373
1958	21,312	5,915	27,227	56	21,413	44	48,640
1959	22,329	6,756	29,085	58	20,635	42	49,720
1960	24,014	7,154	*31,168	59	21,403	41	*52,571
1961	20,918	7,080	27,998	57	21,299	43	49,297
1962	22,075	7,422	29,497	57	22,101	43	51,598
1963 2/	22,804	7,596	30,400	58	21,846	42	52,246

1/ Record imports, 1951 (23,558,000 pounds). 2/ Preliminary. * Record.

SUPPLY OF SHRIMP, 1953-63

Year	U. S. catch			Imports 1/			Total
	Heads-on	Heads-off	Percent of total	Import weight	Heads-off	Percent of total	Heads-off
	Thousand pounds	Thousand pounds	Percent	Thousand pounds	Thousand pounds	Percent	Thousand pounds
1953	260,357	154,974	78	43,100	43,100	22	198,074
1954	*268,334	*159,723	79	41,519	41,519	21	201,242
1955	244,335	145,438	73	53,772	53,772	27	199,210
1956	224,173	133,436	66	68,618	68,618	34	202,054
1957	203,882	121,358	64	69,676	69,676	36	191,034
1958	213,842	127,287	60	85,394	85,394	40	212,681
1959	240,182	142,965	56	106,555	111,704	44	254,669
1960	249,452	148,483	55	113,418	119,139	45	267,622
1961	174,530	103,865	44	126,268	134,564	56	238,429
1962	191,105	119,154	44	141,183	152,504	56	271,658
1963 2/	240,300	150,244	47	*151,530	*167,344	53	*317,588

1/ Imports for 1953-58 were considered to consist entirely of heads-off shrimp. Those for the following years were converted to heads-off weight on the basis of available data on the actual condition of the imports. See page 29.
2/ Preliminary. * Record.

SUPPLY OF CANNED CRAB MEAT, VARIOUS YEARS, 1939-63

Year	U. S. pack	Percent of total supply	Imports	Percent of total supply	Total supply	Exports	Total available for U.S. consumption
	Thousand pounds	Percent	Thousand pounds	Percent	Thousand pounds	Thousand pounds	Thousand pounds
1939.	640	4.5	*13,507	95.5	*14,147	-	*14,147
1948.	4,306	76.3	1,337	23.7	5,643	73	5,570
1950.	2,675	39.7	4,070	60.3	6,745	20	6,725
1951.	2,924	59.8	1,968	40.2	4,892	47	4,845
1952.	1,678	44.7	2,080	55.3	3,758	33	3,725
1953.	2,240	36.0	3,983	64.0	6,223	20	6,203
1954.	3,013	51.2	2,867	48.8	5,880	19	5,861
1955.	1,934	28.1	4,951	71.9	6,885	19	6,866
1956.	2,431	30.1	5,640	69.9	8,071	17	8,054
1957.	3,013	32.8	6,185	67.2	9,198	29	9,169
1958.	2,804	32.4	5,854	67.6	8,658	(1)	8,658
1959.	2,942	28.7	7,304	71.3	10,246	(1)	10,246
1960.	4,115	47.7	4,507	52.3	8,622	(1)	8,622
1961.	5,000	54.1	4,237	45.9	9,237	(1)	9,237
1962.	5,621	61.6	3,505	38.4	9,126	(1)	9,126
1963 2/ . . .	*7,356	58.1	5,295	41.9	12,651	(1)	12,651

1/ Data not available. 2/ Preliminary. * Record.

SUPPLY OF FISH OILS, 1950-63

(Excluding liver, whale, and sperm oil)

Year	U. S. production	Imports	Total supply	Exports 1/	Available for U. S. consumption
	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds
1950.	160,745	15,135	175,880	75,975	99,905
1951.	133,531	17,370	150,901	49,838	101,063
1952.	118,634	15,592	134,226	43,958	90,268
1953.	150,674	11,955	162,629	108,465	54,164
1954.	162,210	13,012	175,222	141,630	33,592
1955.	185,092	10,380	195,472	142,672	52,800
1956.	197,268	10,658	207,926	140,805	67,121
1957.	148,194	7,252	155,446	114,938	40,508
1958.	161,636	4,928	166,564	94,042	72,522
1959.	183,177	6,750	189,927	144,481	45,446
1960.	205,619	8,932	214,551	143,659	70,892
1961.	254,596	8,385	262,981	122,486	140,495
1962.	247,464	10,748	258,212	123,050	135,162
1963 2/ . . .	183,505	12,265	195,770	262,342	66,572

1/ Includes small quantities of non-medicinal liver oils. 2/ Preliminary.

SUPPLY OF FISH MEAL AND SOLUBLES, 1953-63

Year	U. S. production 1/		Imports		Total
	Tons	Percent	Tons	Percent	Tons
1953	279,598	68.0	2/131,473	32.0	411,071
1954	314,482	68.1	147,584	31.9	462,066
1955	319,962	76.2	99,692	23.8	419,654
1956	360,207	79.6	92,089	20.4	452,296
1957	325,221	79.0	86,414	21.0	411,635
1958	313,228	74.3	108,167	25.7	421,395
1959	*389,231	72.5	147,392	27.5	536,623
1960	339,601	71.8	133,349	28.2	472,950
1961	367,392	62.3	221,923	37.7	589,315
1962	374,583	59.4	256,320	40.6	630,903
1963 3/	307,153	44.3	*386,699	55.7	*693,857

1/ Includes homogenized condensed fish. 2/ Imports of meal only. Data not available on imports of solubles. 3/ Preliminary. *Record.
Note:--Wet weight of solubles and homogenized condensed fish have been converted to dry weight by reducing their poundage by one-half.

SUPPLY OF FISH MEAL, 1953-63

Year	U. S. production		Imports		Total
	Tons	Percent	Tons	Percent	Tons
1953	238,851	64.5	131,473	35.5	370,324
1954	256,967	63.8	145,777	36.2	402,744
1955	264,502	73.0	98,003	27.0	362,505
1956	295,793	76.6	90,421	23.4	386,214
1957	264,085	76.5	81,196	23.5	345,281
1958	248,140	71.2	100,352	28.8	348,492
1959	306,551	69.8	132,925	30.2	439,476
1960	290,137	68.8	131,561	31.2	421,698
1961	311,265	58.8	217,845	41.2	529,110
1962	*312,259	55.3	252,307	44.7	564,566
1963 1/	253,452	39.8	*383,107	60.2	*636,559

1/ Preliminary. *Record.

SUPPLY OF FISH SOLUBLES, 1953-63

Year	U. S. production 1/		Imports		Total
	Tons	Percent	Tons	Percent	Tons
1953	81,494	100.0	(2)	-	81,494
1954	115,030	97.0	3,614	3.0	118,644
1955	110,919	97.1	3,297	2.9	114,216
1956	128,829	97.7	2,991	2.3	131,820
1957	122,273	92.6	9,709	7.4	131,982
1958	130,177	89.9	14,567	10.1	144,744
1959	*165,359	86.1	*26,630	13.9	*191,989
1960	98,929	96.9	3,174	3.1	102,103
1961	112,254	94.3	6,739	5.7	118,993
1962	124,649	95.2	6,308	4.8	130,957
1963 3/	107,402	94.1	6,773	5.9	114,175

1/ Includes homogenized condensed fish. 2/ Data not available. 3/ Preliminary. *Record
Note:--Imports of solubles are understood to be on a wet-weight basis except for those from the Republic of South Africa, which are believed to be on a dry-weight basis.

The 1962 world commercial landings of fish, crustaceans, mollusks, etc., totaled 98.6 billion pounds, according to the "Yearbook of Fishery Statistics, 1962" released by the Food and Agriculture Organization of the United Nations. The landings increased 8.7 percent over the 1961 production of 90.7 billion pounds and once again established a new record.

Peru was the major contributor to the increase in world landings. The landings of fish in that country increased from 11.6 billion pounds in 1961 to 15.1 billion pounds, an increase of 30 percent in one year.

Four countries accounted for 50 percent of the 1962 world catch. Japan (15.3 percent) barely maintained its position as leading fishing nation of the world. Peru, with the same percentage (15.3) of world landings as Japan had slightly less poundage and remained in second place. The China, Mainland catch (1959 data) still placed in third position with 11.2 percent, followed by U. S. S. R. with 8.1 percent. The United States remained in fifth place with 6.7 percent.

Asia, excluding the U. S. S. R., accounted for 39 percent of the world catch. Europe, excluding the U. S. S. R., accounted for 19 percent, followed by South America, 18 percent; North America, 10 percent; U. S. S. R., 8 percent; and Africa, 6 percent. An insignificant percentage was taken in Oceania.

About 36 percent of the world catch was marketed fresh. Reduction into meal and oil accounted for 27 percent; cured, 17 percent; and canned and frozen, 9 percent each. The remaining 2 percent was used for miscellaneous purposes.

WORLD CATCH OF FISH, CRUSTACEANS, MOLLUSKS, ETC., BY COUNTRIES, 1962

(Live weight basis)

Country	Billion pounds	Percent
Japan	15.13	15.3
Peru	15.06	15.3
China (Mainland)	1/11.07	11.2
U. S. S. R.	7.98	8.1
United States	2/ 6.56	6.7
Norway	2.95	3.0
Canada	2.46	2.5
Spain	2.22	2.3
India	2.15	2.2
United Kingdom	2.08	2.1
Indonesia	2.08	2.1
Iceland	1.84	1.9
Denmark	1.73	1.8
France	1.62	1.6
South Africa	1.44	1.5
Chile	1.41	1.4
Germany, Western	1.39	1.4
Portugal	1.14	1.2
Philippines	1.11	1.1
Korea, South	.99	1.0
South West Africa	.90	.9
Burma	.79	.8
Thailand	.75	.8
Pakistan	.73	.7
China (Taiwan)	.72	.7
Netherlands	.71	.7
Sweden	.64	.6
Brazil	3/ .62	.6
Angola	.59	.6
Viet-Nam, South	.56	.6
Mexico	.48	.5
Italy	.48	.5
Federation of Malaya	.44	.4
Poland	.40	.4
Morocco	.36	.4
Cambodia	.32	.3
Other	6.69	6.8
Total	98.59	100.0

1/ 1959 data. 2/ Revised. 3/ 1961 data.
Source:--Yearbook of Fishery Statistics, 1962, Volume XV, Food and Agriculture Organization of the United Nations.

WORLD CATCH OF FISH, CRUSTACEANS, MOLLUSKS, ETC., BY CONTINENTS, 1957 and 1962

(Live weight basis)

Continent	1957	1962	Increase (1962 over 1957)
	Billion pounds	Billion pounds	Percent
Asia (excluding U. S. S. R.)	30.05	38.62	29
Europe (excluding U. S. S. R.)	17.04	18.41	8
South America	2.54	17.79	600
North America	8.77	9.68	10
U. S. S. R.	5.58	7.98	43
Africa	4.41	5.82	32
Oceania	.26	.29	12
Total	68.65	98.59	44

WORLD CATCH OF FISH, CRUSTACEANS, MOLLUSKS, ETC., BY MAJOR FISHING AREAS, 1957 and 1962

(Live weight basis)

Area	1957	1962	Increase (1962 over 1957)
	Billion pounds	Billion pounds	Percent
Marine fisheries:			
Northern hemisphere areas	44.54	54.14	22
Tropical areas	12.65	29.06	130
Southern hemisphere areas	3.28	5.09	55
Total	60.47	88.29	46
Fresh-water fisheries:			
Asia (excluding U. S. S. R.)	5.20	7.28	40
Africa	1.15	1.43	24
U. S. S. R.	1.06	.79	-25
North America	.20	.18	-10
South America	.26	.29	12
Europe (excluding U. S. S. R.)	.31	.33	6
Oceania	(1)	(1)	-
Total	8.18	10.30	26
Grand total	68.65	98.59	44

1/ Negligible.

WORLD CATCH OF FISH, CRUSTACEANS, MOLLUSKS, ETC., BY SPECIES GROUPS, 1957 and 1962

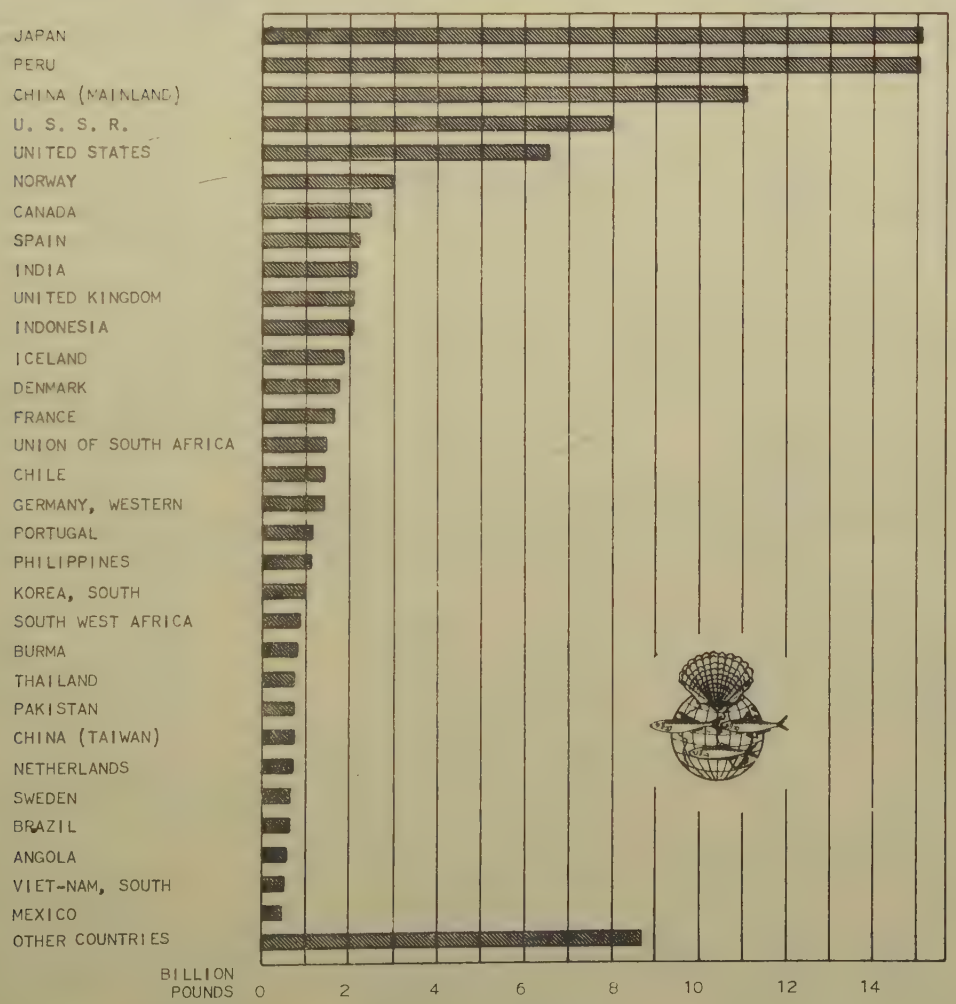
(Live weight basis)

Species groups	1957	1962	Increase (1962 over 1957)
	Billion pounds	Billion pounds	Percent
Herrings, sardines, anchovies, etc.	16.16	32.32	100
Mixed and unidentified fishes	10.63	14.92	40
Cods, hakes, haddocks, etc.	9.96	12.15	22
Fresh-water fishes	8.18	10.30	26
Mullets, jacks, sea-basses, etc.	7.85	9.41	20
Mollusks	4.58	5.58	22
Tunas, bonitos, mackerels, etc.	4.19	5.25	25
Flounders, halibuts, soles, etc.	1.52	2.67	76
Crustaceans	1.92	2.12	10
Aquatic plants	1.12	1.45	29
Salmon, trouts, smelts, etc.	1.61	1.21	-25
Sharks, rays, etc.	.73	.81	11
Aquatic animals	.20	.40	100
Total	68.65	98.59	44

ESTIMATED USE OF THE WORLD CATCH, 1957 and 1962
(Live weight basis)

Manner used	1957	1962	Increase (1962 over 1957)
	Billion pounds	Billion pounds	Percent
Marketed fresh	29.8	35.3	18
Reduced to meal, oil, etc.	8.8	26.2	198
Cured	16.1	16.8	4
Canned	6.4	8.8	38
Frozen	5.3	9.3	75
Miscellaneous purposes	2.2	2.2	-
Total	68.6	98.6	44

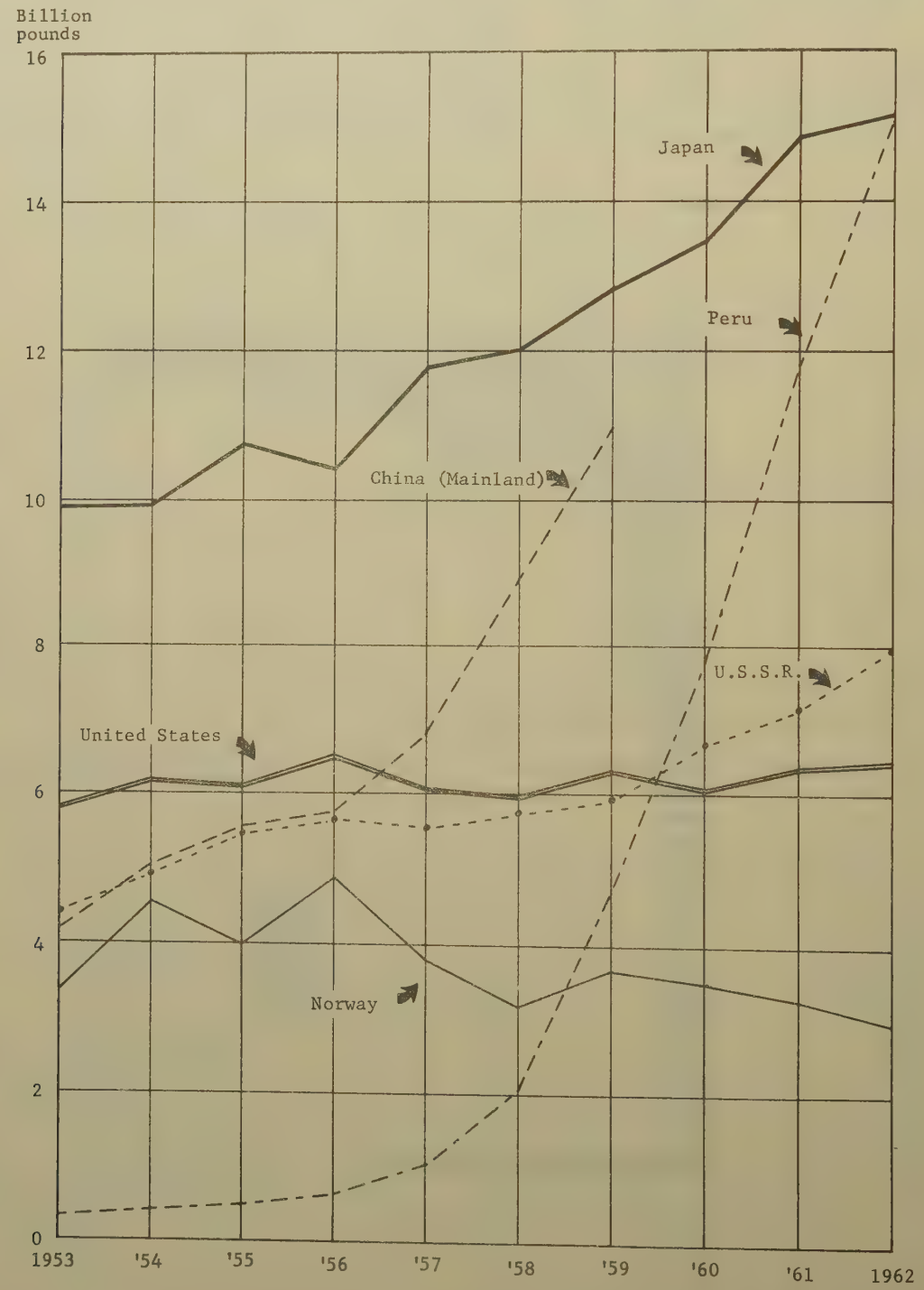
WORLD CATCH OF FISH, CRUSTACEANS, MOLLUSKS, ETC., BY COUNTRIES, 1962



Leading Fishing Nations

Until 1957, the United States was second only to Japan in volume of catch of fishery products. Data submitted to the Food and Agriculture Organization of the United Nations by mainland China for 1957 indicated that in that year, it had moved into second place. In 1960, both Peru and the U.S.S.R. also moved ahead of the United States.

WORLD CATCH OF FISH AND SHELLFISH, ETC., BY LEADING COUNTRIES, 1953-62



UNITED STATES DEPARTMENT OF THE INTERIOR

WASHINGTON, D. C. 20240

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Statistics	Edward A. Power	3024	6871

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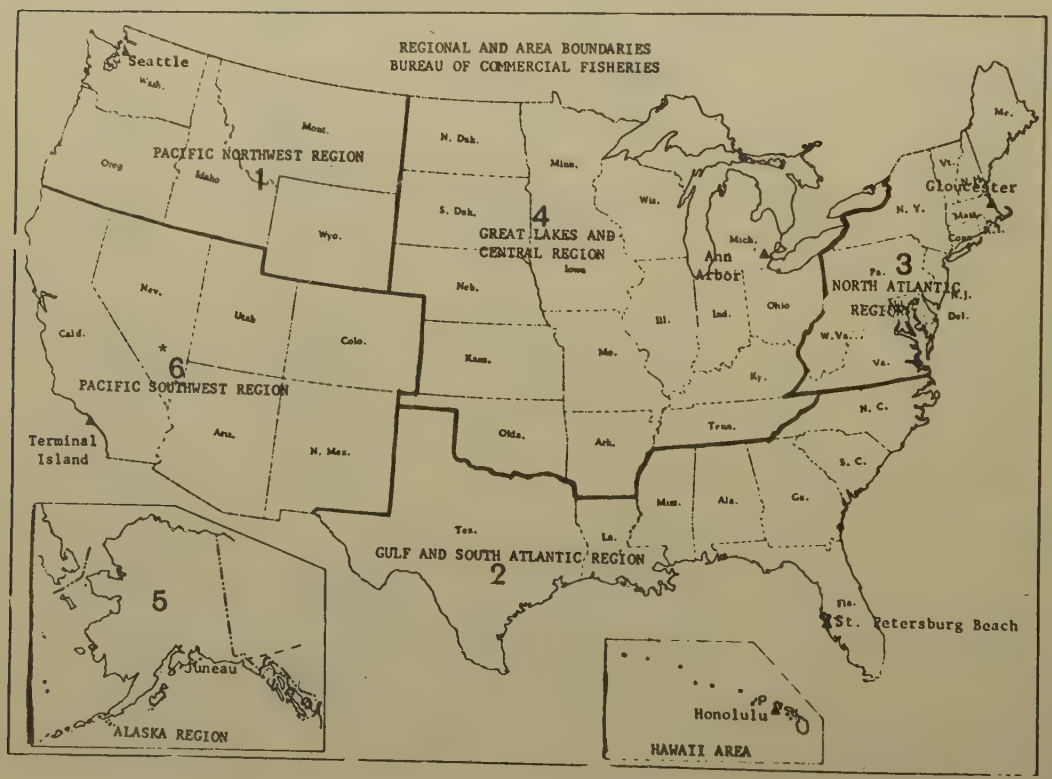
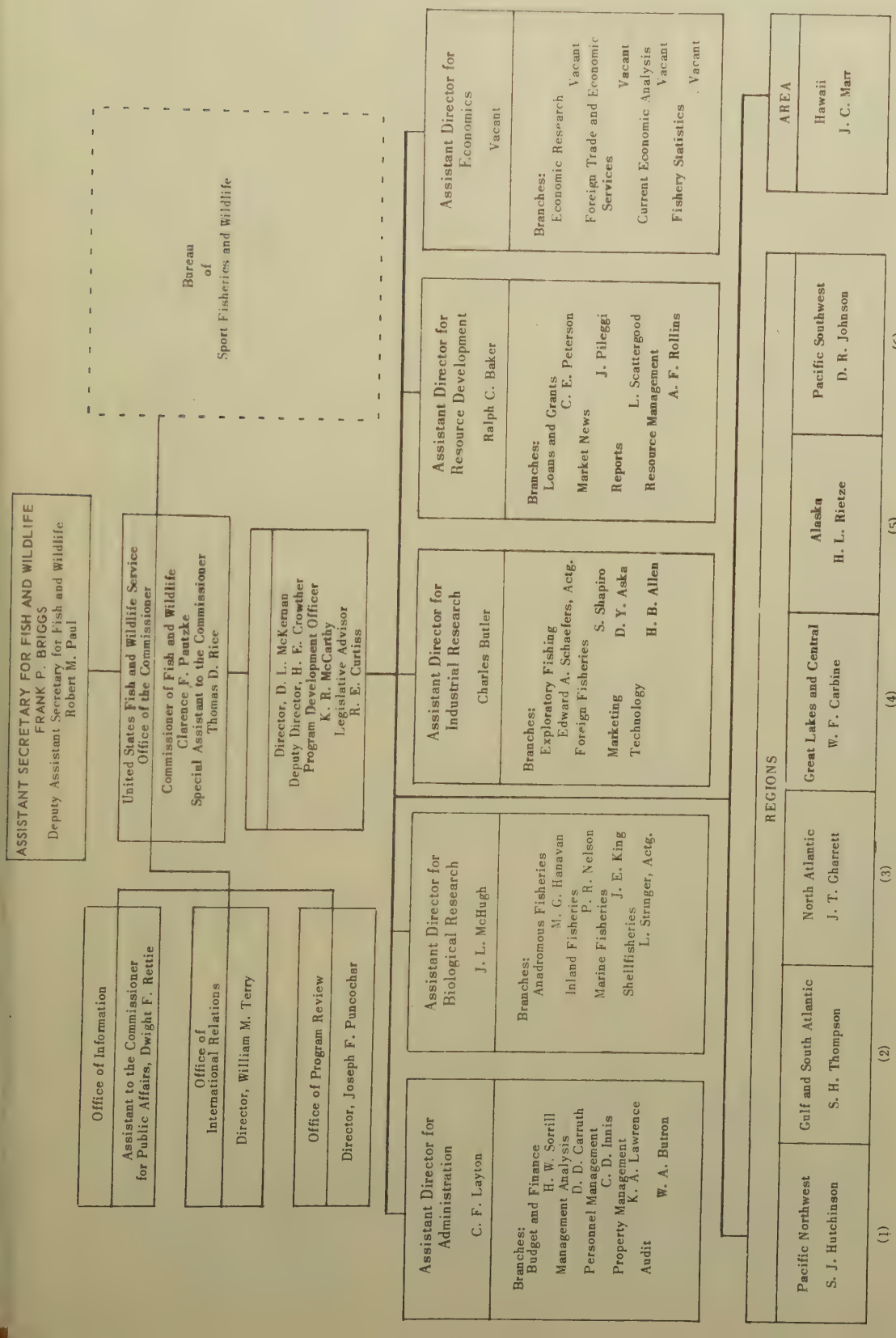


BUREAU OF COMMERCIAL FISHERIES

ORGANIZATION CHART



TOTAL AMOUNTS AVAILABLE TO THE BUREAU OF COMMERCIAL FISHERIES AND DISTRIBUTION BY PROGRAM - FY 1963 (Revised)

(In thousands of dollars)

Item	Annual Definite					Annual Indefinite	Permanent Indefinite		Public Enterprise		Contributed Funds	Reimbursements	Total Program		
	Management and investigations of resources	Special foreign currency program	Construction	Construction of fishing vessels	General administrative expenses	Administration of Pribilof Islands	Payment to Alaska, Pribilof Islands receipts	Promote and develop fisheries etc.	Mortgage insurance fund fishing vessels	Fisheries loan fund			1964	1963	Difference
1. Management	374	-	-	-	-	-	-	-	-	-	1	8	383	380	+ 3
2. Marketing and technology	3,669	125	-	-	-	-	-	1,989	-	-	494	409	6,686	5,281	+1,405
3. Research	8,168	175	-	-	-	-	-	2,470	-	-	741	664	12,218	10,670	+1,548
4. Research on fish migration over dams	1,480	-	-	-	-	-	-	249	-	-	-	143	1,872	1,261	+ 611
5. Fishing vessel mortgage insurance	44	-	-	-	-	-	-	-	-	-	-	-	44	39	+ 5
6. Columbia River fishery facilities	2,087	-	1,867	-	-	-	-	-	-	-	2	2	3,958	3,444	+ 514
7. Construction of fishery facilities	-	-	8,685	-	-	-	-	-	-	-	-	-	8,685	843	+7,842
8. Construction of fishing vessels	-	-	-	148	-	-	-	-	-	-	-	-	148	505	- 357
9. General administrative services	-	-	-	-	582	-	-	377	-	-	36	24	1,019	904	+ 115
10. Administration of Pribilof Islands	-	-	-	-	-	1,767	-	-	-	-	-	30	1,797	1,751	+ 46
11. Fur seal research	-	-	-	-	-	234	-	-	-	-	-	-	234	233	+ 1
12. Payment to Alaska from Pribilof Island receipts	-	-	-	-	-	-	703	-	-	-	-	-	703	537	+ 166
13. Federal Ship mortgage insurance for fishing vessels	-	-	-	-	-	-	-	-	-	-	-	-	-	4	- 4
14. Loans to fisheries:															
Loans	-	-	-	-	-	-	-	-	-	525	-	-	525	2,700	-2,175
Administrative expenses	-	-	-	-	-	-	-	-	-	250	-	-	250	222	+ 28
15. Fisheries Advisory Committee	-	-	-	-	-	-	-	35	-	-	-	-	35	20	+ 15
Total program	15,822	300	10,552	148	582	2,001	703	5,120	-	775	1,274	1,280	38,557	28,794	+9,763
Prior year balance for the program	-	-	-6,244	-	-	-	-	-65	- 8	-5,066	-98	-	-11,481	-7,542	-3,939
Transfer to General Services Administration	+29	-	-	-	-	-	-	-	-	-	-	-	+ 29	+ 20	+ 9
Balance available in subsequent years	-	-	+4,164	-	-	-	-	+16	+21	+6,688	+139	-	+11,028	+11,481	- 453
Collection of loans, interest, etc.	-	-	-	-	-	-	-	-	-13	-2,397	-	-	- 2,410	-1,939	- 471
Unobligated balance lapsing	+32	-	-	+602	+40	+16	-	-	-	-	-	-	+ 690	+ 288	+ 402
Transfer out	-	-	-	-	-	-	-	-	-	-	-	-	-	+ 88	- 88
Recovery of prior year obligations	-	-	-	-	-	-	-	-	-	-	-6	-	-6	-	- 6
Total appropriation	15,883	300	8,473	750	622	2,017	703	5,071	-	-	1,310	1,280	36,409	31,190	+5,219

TOTAL AMOUNTS AVAILABLE TO THE BUREAU OF COMMERCIAL FISHERIES AND DISTRIBUTION BY PROGRAM - FY 1964 (Preliminary)

(In thousands of dollars)

Item	Annual Definite					Annual Indefinite	Permanent Indefinite		Public Enterprise		Contributed funds	Reimbursements	Total Program		
	Management and investigations of resources	Special foreign currency program	Construction	Construction of fishing vessels	General administrative expenses	Administration of Pribilof Islands	Payment to Alaska, Pribilof Islands receipts	Promote and develop fisheries etc.	Mortgage insurance fund fishing vessels	Fisheries loan fund			1964	1963	Difference
1. Management	391	-	-	-	-	-	-	-	-	-	-	-	391	383	+ 8
2. Marketing and technology	4,098	125	-	-	-	-	-	2,011	-	-	579	440	7,253	6,686	+ 567
3. Research	9,709	175	-	-	-	-	-	2,511	-	-	831	726	13,952	12,218	+1,734
4. Research on fish migration over dams	1,497	-	-	-	-	-	-	250	-	-	-	115	1,862	1,872	- 10
5. Fishing vessel mortgage insurance	42	-	-	-	-	-	-	-	-	-	-	-	42	44	- 2
6. Columbia River fishery facilities	2,090	-	1,333	-	-	-	-	-	-	-	34	-	3,457	3,958	- 501
7. Construction of fishery facilities	-	-	7,281	-	-	-	-	-	-	-	-	-	7,281	8,685	-1,404
8. Construction of fishing vessels	-	-	-	750	-	-	-	-	-	-	-	-	750	148	+ 602
9. General administrative services	-	-	-	-	653	-	-	392	-	-	38	22	1,105	1,019	+ 86
10. Administration of Pribilof Islands	-	-	-	-	-	2,195	-	-	-	-	-	38	2,233	1,797	+ 436
11. Fur seal research	-	-	-	-	-	273	-	-	-	-	-	-	273	234	+ 39
12. Payment to Alaska from Pribilof Island receipts	-	-	-	-	-	-	589	-	-	-	-	-	589	703	- 114
13. Loans to fisheries:															
Loans	-	-	-	-	-	-	-	-	-	2,000	-	-	2,000	525	+1,475
Administrative expenses	-	-	-	-	-	-	-	-	-	270	-	-	270	250	+ 20
14. Fisheries Advisory Committee	-	-	-	-	-	-	-	36	-	-	-	-	36	35	+ 1
Total program	17,826	300	8,614	750	653	2,468	589	5,200	-	2,270	1,482	1,341	41,493	38,557	+2,936
Prior year balance for the program	-	-	-4,164	-	-	-	-	-16	-21	-6,688	-139	-	-11,028	-11,481	+ 453
Transfer to General Services Administration	+7	-	-	-	-	-	-	-	-	-	-	-	+7	+ 29	- 22
Balance available in subsequent years	-	-	-	-	-	-	-	+189	+46	+5,948	+ 15	-	+6,198	+11,028	-4,830
Collection of loans, interest, etc.	-	-	-	-	-	-	-	-	-25	-1,530	-	-	-1,555	- 2,410	+ 855
Unobligated balance lapsing	-	-	-	-	-	-	-	-	-	-	-	-	-	690	- 690
Recovery of prior year obligations	-	-	-	-	-	-	-	-	-	-	-	-	-	- 6	+ 6
Total appropriation	17,833	300	4,450	750	653	2,468	589	5,373	-	-	1,359	1,341	35,116	36,409	-1,293

FISHERY STATISTICAL OFFICES

		Telephone Number	Area Code
	NEW ENGLAND		
Rockland, Maine 04841	R.C. Barnard, 457 Main St.	594-5969	207
West Boothbay Harbor, Maine 04575	D.A. McKown, P.O. Box 33	164 (home)	207
Portland, Maine 04111	A.F. Thibodeau, Rm. 17, Custom House	772-3362	207
Gloucester, Mass. 01931	D.L. Hoy, P.O. Box 100, 105 Maplewood Ave.	283-3420	617
Boston, Mass. 02210	J.C. Malone, Rm. 10, Commonwealth Pier	542-6070	617
New Bedford, Mass. 02740	J.V. Mahoney, Custom House	993-6972	617
Provincetown, Mass. 02657	F.C. Blossom, P.O. Bldg., Box 91	868	617
Warren, R.I. 02885	W.J. Murphy, Rm. 205, P.O. Bldg.	245-2224	401
Point Judith, R.I. 02882	(Vacant) Sand Hill Cove Rd.	783-7797	401
	MIDDLE ATLANTIC		
Bayport, L.I., N.Y. 11705	C.T. Smith, 965 Montauk Highway, P.O. Box 815	472-1787	516
Toms River, N.J. 08753	E.A. LoVerde, P.O. Box 143, 26 Main St.	349-3533	201
	CHESAPEAKE		
Oxford, Md. 21654	W.E. Brey, BCF Biological Lab.	226-5193	301
Salisbury, Md. 21801	R.H. Wilson, Rm. 11, P.O. Bldg., P.O. Box 885	749-6109	301
Weems, Va. 22576	J.P. Wharton	(Irvington) 438-3672	703
Norfolk, Va. 23514	T.D. Walsh, Box 3224, Custom House Sta. (Fort Norfolk Army Engineers-Dist. Bldg. No. 7)	625-0040	703
	SOUTH ATLANTIC AND GULF		
Beaufort, N.C. 28516	C.D. Stewart, U.S. Fisheries Lab., P.O. Box 500	728-4968	919
Charleston, S.C. 29401	M.H. Low, Rm. G-3, Custom House	RAymond 2-4783	803
Brunswick, Ga. 31521	H.F. Prytherch, Rm. 303, Federal Bldg.	AMherst 5-2152	912
Miami, Fla. 33149	L.E. Johnson, 1 Rickenbacker Causeway	EMerson 1-2595	305
Key West, Fla. 33041	E.A. Hardy, Rm. 317, P.O. Bldg.	CYpress 4-1921	305
Fort Myers, Fla. 33902	J.E. Naughton, P.O. Bldg., P.O. Box 227	EDison 4-9361	813
Tampa, Fla. 33605	B.J. McDaniel, 1508 Lucas Dr., Hookers Point	248-3906	813
Apalachicola, Fla. 32320	P.E. Thompson, P.O. Box 362	OLiver 3-5000	305
Bayou LaBatre, Ala. 36509	D.J. Bond, P.O. Box 591	TAylor 6-4602	205
Ocean Springs, Miss. 39564	H.G. Hague, P.O. Box 218	TRinity 5-5345	601
New Orleans, La. 70130	G.W. Snow, Rm. 609, Federal Bldg., South	527-6151	504
Port Sulphur, La. 70083	J.W. Wallace, Rt. 1, Box 58	LOgan 4-3511	504
Galliano, La. 70354	M.P. Duet, P.O. Box 162	MErcury 2-7157	504
Houma, La. 70360	C.G. Dunn, 1626 Barrow St.	UPland 2-3321	504
Morgan City, La. 70380	D.P. Delaune, Rm. 213, P.O. Bldg.	459-4155	504
Port Arthur, Tex. 77640	T.S. Allen, Rm. 14-C, P.O. & Custom Bldg.	YUkon 5-7871	713
Galveston, Tex. 77552	O.H. Farley, Bio. Lab., Lab. A, Bldg. 302, Ft. Crockett	SOuthfield 2-8448	713
Galveston, Tex. 77550	J.W. Morgan, Rm. 322, Custom House Bldg.	SOuthfield 2-7642	713

FINANCIAL ASSISTANCE PROGRAMS

FISHERY STATISTICAL OFFICES - Continued

SOUTH ATLANTIC AND GULF - Continued

Freeport, Tex. 77541	D.W. Stevens, P.O. Box 2533	BElmont 3-4551	713
Aransas Pass, Tex. 78336	V.L. Strock, P.O. Box 174	758-3787	512
Port Isabel, Tex. 78520	A.A. LaFrance, P.O. Box 467, Brownsville, Tex.	FIllmore 6-4050	512
Brownsville, Tex. 78520	W.S. Schiwetz, P.O. Box 467	FIllmore 6-4050	512

PACIFIC COAST

Juneau, Alaska 99801	W.K. Evans, P.O. Box 2481	JUniper 6-3441	-
Seattle, Wash. 98104	C.M. Reardon, 706 Federal Office Bldg.	MAin 2-0740	206
San Pedro, Calif. 90731	V.J. Samson, Rm. 205, P.O. Bldg.	TErminal 2-5354	213

CENTRAL STATES

Ann Arbor, Mich. 48103	H.J. Buettner, 5 Research Drive	662-5529	313
Camden, Tenn. 38320	E.C. Allen, City Hall, P.O. Box 252	584-5501	901

HAWAII

Honolulu, Hawaii 96812	T.S. Hida, 2570 Dole St.	962181	-

FISHERY MARKET NEWS OFFICES

Boston, Mass. 02210	J.J. O'Brien, Rm. 10, Commonwealth Pier (TWX 617-451-3455)	LIberty 2-6070	617
New York, N.Y. 10038	T.J. Risoli, 155 John St. (TWX 212-571-1718)	DIgby 4-4559	212
Baltimore, Md. 21202	J.A. Coyne, 103 S. Gay St.	PLaza 2-8460	301
Hampton, Va. 23369	W.N. Kelly, 18 S. King St. (TWX 703-722-2967)	723-3360	703
New Orleans, La. 70130	E.J. Barry, 609 Federal Bldg., 600 South St. (TWX 504-822-5120)	529-2411	504
Seattle, Wash.98104	C.M. Reardon, 706 Federal Office Bldg. (TWX 206-998-0211)	MAin 2-0740	206
San Pedro, Calif. 90731	V.J. Samson, Rm. 205, P.O. Bldg. (TWX 213-548-0920)	TErminal 2-5354	213
Chicago, Ill. 60607	C.E. Cope, U.S. Customs House, 610 So. Canal St. (TWX 312-431-1488)	922-6247	312

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The following partial listing of the Service's Publication Series is presented for the information of interested persons or organizations. Most are distributed free to persons interested in receiving them. However, some reports must be purchased. Information on how to obtain the various reports released by the Branch of Statistics and the Branch of Market News will be found on pages 63 and 64.

Fishery Statistical Publications of the Bureau of Commercial Fisheries, (Fishery Leaflet 432). -- This report contains a descriptive listing of all statistical publications released by the Bureau. It catalogs in detail the many publications in the Current Fishery Statistical series; daily, monthly, and annual Market News reports; and statistical digests. It also contains listings of fishery statistical reports released by other Federal agencies, International Commissions, Interstate Compact Commissions, and non-Government fishery agencies.

Fishery Bulletins.--A series comprised of technical reports of fundamental scientific investigations, of primary interest to naturalists and researchers, relating to the biology of fishes and other aquatic animals. These reports include monographs, and reports of studies of distribution, migration, life history, and ecology (including oceanography and limnology) of aquatic organisms and populations thereof, contributions to the theory and methodology of fishery research, and papers on the scientific basis of fishery management.

Fishery Leaflets.--These are used as correspondence aids in giving information on fishes and fisheries frequently requested by correspondents.

Fishery Circulars.--This is a series which includes popular and semitechnical publications, of general or regional interest, intended to aid conservation and the management of fishery resources.

Research Reports.--A series comprised of technical papers giving the final results of scientific investigations -- biological, technological, and economic -- of primary concern to those who would apply the results. These papers include reports on stream surveys, fish-cultural or stocking methods, fishery economics, technology, nutrition, and pharmacology, advances in shellfish culture and other methods applicable to fish and wildlife management in general.

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Statistical Digests.--A series comprised of annual statistical summaries, chiefly tabular, but usually with explanatory text, relating to the fishery resources.

Available Leaflets on Fisheries, (Fishery Leaflet 9).--This publication is a list of fishery publications available free-of-charge from the Office of Information, U. S. Fish and Wildlife Service, Washington, D. C. 20240

DETACH AND USE FOR REQUESTING PUBLICATIONS LISTED ON PAGE 64

TO OBTAIN FISHERY STATISTICAL PUBLICATIONS

Current Fishery Statistics

The current fishery statistical reports listed on page 64 are mailed free to interested persons and organizations. To be placed on the mailing list to receive any of these reports, detach this sheet, fill in name and address below, check desired reports on page 64, and mail to:

U.S. Department of the Interior
Bureau of Commercial Fisheries
Branch of Statistics
Washington, D.C. 20240

Statistical Digests

A limited number of Statistical Digests are made available each year for free distribution to Government Agencies, research organizations, State fishery departments, and other groups having special interests in fishery statistics. Persons or organizations not meeting these qualifications can purchase copies of the Digests from:

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Fisheries of the United States (Comprehensive review of the fisheries)

( ) SR-1 New England Fisheries
( ) SR-2 Middle Atlantic Fisheries
( ) SR-3 Chesapeake Fisheries
( ) SR-4 South Atlantic Fisheries
( ) SR-5 Gulf Fisheries
( ) SR-6 Pacific Coast Fisheries
( ) SR-7 Great Lakes Fisheries
( ) SR-8 Mississippi River Fisheries
( ) SR-9 Alaska Fisheries
( ) SR-10 United States Fisheries (Summary, operating unit, and catch statistics)

( ) MF-1 Canned Fishery Products
( ) MF-2 Industrial Fishery Products
( ) MF-3 Packaged Fishery Products
( ) MF-4 Manufactured Fishery Products
( ) MF-5 Fish Sticks and Portions (Quarterly and Annual)
( ) MF-6 Imports and Exports of Fishery Products

The following are issued as monthly and annual bulletins:

( ) FF Frozen Fish Report

( ) FM Fish Meal and Oil

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( ) NA-2 Massachusetts Landings
( ) NA-3 Rhode Island Landings
( ) NA-4 New York Landings
( ) NA-5 New Jersey Landings

( ) SA-1 Maryland Landings
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( ) SA-4 South Carolina Landings
( ) SA-5 Georgia Landings

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( ) GC-2 Alabama Landings
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( ) GC-4 Louisiana Landings
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